VOLUNTARY CLEANUP
SITE INVESTIGATION
REPORT ADDENDUM

FISCHBACH & MOORE ELECTRIC, LLC
235 METRO PARK
TOWN OF BRIGHTON, NEW YORK

NYSDEC Site # V00492-8

Prepared for:
235 Metro Park Associates, LLC
240 Ambassador Drive
Rochester, NY 14610

Prepared by:
Passero Associates
100 Liberty Pole Way
Rochester, NY 14604

April 26, 2005

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April 26, 2005

Mr. Gregory B. MacLean, P.E.
NYSDEC Region 8
Division of Environmental Remediation
6274 East Avon-Lima Rd.
Avon, NY 14414

Re: **Voluntary Site Investigation Report**
Fischbach & Moore Electric, LLC (V00492-8)
235 Metro Park
Brighton (T), Monroe (C)

Dear Mr. MacLean:

This letter is in response to your October 22, 2004 letter regarding our July 2004 draft Site Investigation Report (SIR). Your comments are presented followed by our response for each item.

General

1. All analytical data exceeding SCGs need to be shown in tabular form. A single table for each media (e.g., surface soil, subsurface soil, groundwater, sub-slab soil gas) summarizing detected compounds at each sample location in comparison to SCGs is preferable.

Passero Response:

All data are summarized in comparison to the applicable TAGM 4046 Recommended Soil Cleanup Objectives or Groundwater Standard in the enclosed tables (Attachment 1).

2. Complete DUSR Reports need to be provided for all ASP Category B analytical data (surface soils, subsurface soils, and groundwater), not just the segments for groundwater data that are provided in Appendix 13.

Passero Response:

The complete Data Usability Summary Reports (DUSR) as prepared by Kenneth R. Applin, Ph.D. are provided under separate cover.

3. All sample locations need to be shown on figures. The following were not shown and need to be included: Subsurface soil boring locations, tank pit confirmatory samples, sub-slab soil gas samples (collected via Summa canister), and PCB wipe samples.

Passero Response:

Enclosed Figures 9-13 (Attachment 2) present the Geoprobe Location Points; Summa Canister Locations; PCB Wipe Sample Locations; Surficial Cleanup; Tank Pit Confirmatory Samples; and Subsurface Drainage Lines.

Section 1.0 - Introduction

4. Please indicate the dates Fischbach & Moore and T.H. Green Electric operated at the facility. Please also indicate when the building was vacated and state if it is presently vacant. The proposed future use of the site also needs to be provided.

Passero Response:

T.H. Green and subsequently Fischbach & Moore Electric occupied the subject building from 1969 through June 30, 2001. The building was vacant until January 2005; a new tenant leased the space in March 2005. Future site usage is for lease to a distributor or manufacturing company.

Section 2.1-Passive Soil Gas

5. Since the sub-slab soil gas samples collected via Summa canister were not collected passively, these should be discussed in a separate section (i.e. Sub-Slab Soil Gas). These sample results are not included in Appendix 3 (Beacon Passive Soil Gas Report) or found elsewhere in the SIR. Please include the analytical results (in units of: ug/m3) and a discussion thereof. Depending on the levels detected and assuming the building is intended to be occupied in the future, additional sub-slab/indoor air sampling and/or mitigation measures may be necessary.

Passero Response:

Tabulated Summa Canister data are included in Attachment 1.

The 1800 ug/m^3 of cis-1, 2-Dichloroethene indicates potential concern relative to vapor intrusion into the subject building. The Interstate Technology & Regulatory Council (ITRC) Brownfields Team "Vapor Intrusion Issues at Brownfield Sites" (December 2003) indicates that cis-1, 2-Dichloroethene is considered a "contaminant with sufficient toxicity and volatility to be considered a vapor intrusion threat".

Per the January 2005 discussions with NYSDEC, we have met on site with Nicholas Mouganis of Mitigation Technology. We will prepare and submit an Interim Remedial Action Workplan for NYSDEC and NYSDOH approval to install a sub-slab ventilation system to address potential concerns relative to vapor intrusion into the building.

6. In addition to PCE, please discuss the results of the other compounds that were detected in the passive soil gas samples (e.g., TCE, 1,1,1-TCA, BTEX).

Passero Response:

In addition to PCE, Beacon Environmental's analysis of the passive soil gas samples indicated concentrations of several other parameters:

TCE: Beacon's Figure 3 (Attachment 3) indicates a peak of 450 nanograms of TCE in the sub-slab area at the southeast corner of the fenced area inside the east side of the subject building. Sub-slab Geoprobe sample SS-5 was installed to investigate sub-slab soil conditions in this location. The sample SS-5 collected from 0 to 1 foot beneath the slab indicated an estimated 3 ug/KG of TCE. When converted to parts per million, 0.003 ppm of TCE is orders of magnitude below the TAGM 4046 Recommended Soil Cleanup Objective of 0.7 ppm of TCE. As previously discussed, we are in the process of preparing and submitting an Interim Remedial Action Workplan for approval to install a sub-slab ventilation system to address potential concerns relative to vapor intrusion into the building.

1,1,1-TCA: Beacon's Figure 4 (Attachment 3) indicates a peak of 170 nanograms of 1,1,1-TCA approximately 50 feet east of the east side of the fenced yard. Geoprobe samples BH-19 and -20 were installed to investigate sub-surface soil conditions in this location. No VOC were detected in BH-19 and -20 at the 3 to 4 foot depths.

7. It appears that the reference to monitoring well MW-9 in the last sentence of this section should be MW-10.

Passero Response:

The reference to monitoring well MW-9 in the last sentence of this section should be MW-10.

Section 2.3 - Floor Drains and Catch Basin

8. The locations of all subsurface drainage lines associated with the interior floor drains and exterior catch basin as identified by this investigation need to be shown on a figure. In addition, please provide information on the integrity of these piping systems (i.e., evidence of leaks or the lack thereof).

Passero Response:

The locations of all subsurface drainage lines associated with the interior floor drains and exterior catch basins as identified by this investigation are indicated on the enclosed Figure 14 (Attachment 2). The floor drain investigation was performed by Mr. Rooter Plumbing (Mr. Rooter) on September 16, 2002. They determined that the interior drains were installed in circular and rectangular couplets; each circular drain is paired with a check valve and cleanout covered by a rectangular metal floor plate, preventing backflow from erupting from the drains. The interior drains all flow into the sanitary line that trends westerly from the subject building to connection with the sanitary sewer on Metro Park.

The exterior catch basin located to the east of the former UST and pump connects to the storm sewer catch basin in the loading dock at the northeast corner of the building; discharge from this drain heads westerly beneath the building to connection with the storm sewer on Metro Park.

Mr. Rooter performed the investigation with a cable-fed camera. No visual breaches or impairment was observed in any of the pipes. The sanitary discharge pipe and storm water discharge pipe were both tracked to their connection to the sanitary and storm sewers on the east side of Metro Park at the west side of the subject site.

Section 2.4.1 - UST Removal

9. The date of the tank removal should be corrected to September 16, 2002.

Passero Response:

The UST were removed by Marcor Remediation, Inc. (Marcor) on September 16, 2002.

10. The contents of each section of the vaulted tank need to be stated.

Passero Response:

The NYSDEC Region 8 Petroleum Bulk Storage (PBS) tank registration indicated Fischbach & Moore Electric, LLC at 235 Metro Park in the Town of Brighton (PBS # 8-4217-58) was registered with 2000 gallons of gasoline and 2000 gallons of diesel fuel stored in the vaulted tank.

11. The location of the tank pit and confirmatory soil samples need to be identified on a figure.

Passero Response:

The location of the tank pit and confirmatory soil samples are indicated on the enclosed Figure 13 (Attachment 2).

12. SVOCs and lead were also analyzed for in the tank pit confirmatory samples and need to be discussed.

Passero Response:

The enclosed tabulated data indicate no SVOC and no lead were detected at concentrations > than TAGM 4046 Recommended Soil Cleanup Objectives.

13. Please provide the total volume and type of liquids removed from the tank. Disposal documentation for the tank and liquid contents also need to be provided.

Passero Response:

The enclosed Marcor Shipping Order (Attachment 4) indicates that 165 gallons of gasoline and 165 gallons of diesel fuel were disposed of at Industrial Oil in Oriskany, New York on September 25, 2002. One partial drum of peastone impacted with gasoline was also disposed of; the contaminated peastone had inadvertently fallen into the tank during removal, and was not indicative of a tank leak.

14. There should be a statement that no soils were removed from the tank pit in conjunction with the tank removal.

Passero Response:

Passero Associates field notes on September 16, 2002 indicated that the tank was a Highland StiP3 double wall vaulted tank that had been installed in peastone. Upon removal the tank was seen to be in good condition, and excavated soils exhibited no odors or elevated levels of organic vapors. With the exception of a small quantity of peastone that spilled into the tank (discussed above), no soils were removed from the tank pit in conjunction with the tank removal.

Section 2.4.2 - Surficial Cleanup

15. Please identify the approximate area and depth of the surface soil excavation, as well as the total quantity of soil removed. This area needs to be identified on a figure. Disposal documentation also needs to be provided.

Passero Response:

Three small patches of surficial oil-stained soils were removed by Marcor on September 12, 2002, and staged on, and covered by polyethylene (Attachment 2, Figure 12). Less than 5 tons of soils were staged for characterization; on October 10, 2002 the staged soil was sampled and submitted for volatile organic analysis by ESEPA Method 8260; Toxicity Characteristic Leaching Procedure (TCLP) volatile organic analysis by ESEPA Method 8260; semivolatile (SVOC) TCLP by ESEPA Method 8270; TCLP RCRA Metals; and total PCB (Attachment 5).

The VOC detected and their respective TAGM Recommended Soil Cleanup Objectives are as follows:

VOC

Contaminant	*Concentration (ppb)*	*ppm Conversion*	*TAGM 4046 Rec. Soil Cleanup Objective (ppm)*
Ethylbenzene	131	0.13	5.5
Toluene	107	0.1	1.5
Xylenes	881	0.9	1.2

No TCLP VOCs were detected in the waste characterization sample.
No TCLP SVOCs were detected in the waste characterization sample.
The only TCLP metal detected was 0.282 mg/L of barium; the regulatory limit for TCLP barium is 100 mg/L.
No PCBs were detected in the waste characterization sample.

Based on the waste characterization results, it was not deemed necessary to remove the staged soils for off-site disposal.

16. The staged soil sampling characterization results for landfill approval need to be provided.

Passero Response:

The staged soil sampling characterization results for landfill approval are enclosed (Attachment 5).

17. Under the results heading, it is indicated that no compounds were detected at concentrations greater than RSCOs. Yet a brief review of analytical results provided in Appendix 7 indicates that some SVOCs in sample SS-1 do in fact exceed RSCOs. Again, tabular summaries of all data in excess of SCGs need to be provided.

Passero Response:

As addressed in item 1, all data are tabulated with comparisons to applicable RSCO or Groundwater Standard (Attachment 1).

Section 2.4.3 - Pressure Wash

18. The wipe sample locations taken before and after the pressure washing need to be shown on a figure. In addition, a tabular summary of pre-and post-pressure washing wipe sample results in comparison to SCGs needs to be provided.

Passero Response:

Prior to this VCA, on September 7, 2000, Passero Associates collected 10 wipe samples from oil-stained floor patches in the east side of the building; PCB 1260 was detected in 7 of the 10 samples at concentrations > than the NYS Guidance Level of 100 ug/m^2. Based on these results, the VCA Workplan called for an IRM consisting of pressure-washing the floor in conformance with 40 Subpart G, Section 761.125 "Requirements for PCB spill cleanup". Several areas of staining on the concrete walls were also pressure washed as part of this IRM.

Confirmatory wipe sample locations are presented on the enclosed Figure 11.

Re-sampling the concrete floor prior to the IRM was not stated in the Workplan.

19. The data provided in Appendix 5 (not Appendix 7 as indicated) identify sample collection dates of September 10, 2002 (samples 1 -4 and one blank) and September 17, 2002 (samples 5 - 17 and one blank). Please discuss the purpose for, and results of, the four additional wipe samples collected just prior to the pressure washing activities.

Passero Response:

The VCA Workplan states:

In NYSDEC's June 4, 2002 letter it was stated that "there needs to be some sampling done to confirm whether or not PCBs may have been tracked into the western portion of the building, which is currently carpeted." To address the carpeted area, three (3) wipe samples will be collected from the concrete slab adjacent to the 3 doors into the carpeted western portion of the building. The wipes will be collected with hexane-soaked gauze pads in conformance with the NYSDOH guidance. If PCBs are detected on the slab by these doors, additional sampling in the carpeted areas may be warranted. These results will be discussed with NYSDEC and DOH, and additional sampling or remedial measures will be submitted to NYSDEC for review and approval, if warranted.

Wipe samples 1-4 were collected prior to the IRM by the north door into the carpeted western office portion of the building (Wipe-1); by the 2 central doors (Wipes 2,3); and by the south door (Wipe 4). 21.7 ug/m^2 PCBs were detected in Wipe-1; the NYSDOH guidance level for PCBs is 100 ug/m^2. No PCBs were detected in the other 3 wipe samples. Based on these results, no further investigation in the western carpeted portion of the building is warranted.

Section 2.5.1 - Surficial Soil Samples

20. The statement that "none of these surficial soil samples indicated any parameters at concentrations greater than TAGM 4046 RSCO"is not accurate. Again, a brief review of analytical results provided in Appendix 7 indicates that SVOCs in several surface soil samples do in fact exceed RSCOs. Please include tabular summaries of all surface soil results exceeding SCGs.

Passero Response:

All tabulated results with comparisons to the TAGM RSCOs are included as Attachment 1.

21. Please provide an evaluation of the carcinogenc PAHs (cPAHs) in surface soil that exceed SCGs in terms of the benzo(a)pyrene (BAP) toxicity equivalent. This is done by multiplying the concentrations of the individual cPAHs by the following BAP equivalent factor. These results are summed to arrive at the total BAP toxicity equivalent for each location. This data will then be evaluated by the Department, in consultation with NYSDOH, to determine potential exposures concerns and any appropriate remedial measures:

PAH Multiplier

Benzo(a)pyrene 1.00
Dibenzo(a,h)anthracene 1.00
Benzo(a)anthracene 0.10
Benzo(b)fluoranthene 0.10
Indeno(1,2,3-cd)pyrene 0.10
Benzo(k)fluoranthene 0.01
Chrysene 0.01

Passero Response:

Surfical #1

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	370J	370
Dibenzo (a,h)j anthracene	56J	56
Benzo (a) anthracene	320J	32
Benzo (b) fluoranthene	420	42
Indeno (1,2,3-cd) pyrene	240J	24
Benzo (k) fluoranthene	220J	2.2
Chrysene	370J	3.7
Total		529.9

Surficial #2
None detected > TAGM levels

Surficial #3
Non-detected for all

Surficial #4

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	110J	110
Dibenzo (a,h)j anthracene	ND	ND
Benzo (a) anthracene	110J	11.0
Benzo (b) fluoranthene	130J	13.0
Indeno (1,2,3-cd) pyrene	78	7.8
Benzo (k) fluoranthene	76J	0.76
Chrysene	110	1.1
Total		143.66

Surficial #5

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	1400	1400
Dibenzo (a,h)j anthracene	280	280
Benzo (a) anthracene	880	88
Benzo (b) fluoranthene	1700	170
Indeno (1,2,3-cd) pyrene	1300	130
Benzo (k) fluoranthene	1000	10
Chrysene	1500	15
Total		2093

Surficial #6

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	810	810
Dibenzo (a,h)j anthracene	210	210
Benzo (a) anthracene	750	75
Benzo (b) fluoranthene	840	84
Indeno (1,2,3-cd) pyrene	760	76
Benzo (k) fluoranthene	520	5.2
Chrysene	860	8.6
Total		1268.8

Surficial #7

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	5000	5000
Dibenzo (a,h)j anthracene	860	860
Benzo (a) anthracene	4100	410
Benzo (b) fluoranthene	5100	510
Indeno (1,2,3-cd) pyrene	3800	380
Benzo (k) fluoranthene	3400	340
Chrysene	5000	50
Total		7244

Surficial #8

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	510	510
Dibenzo (a,h)j anthracene	92	92
Benzo (a) anthracene	530	53
Benzo (b) fluoranthene	560	56
Indeno (1,2,3-cd) pyrene	360	36
Benzo (k) fluoranthene	420	4.2
Chrysene	610	6.1
Total		757.3

Surficial #9

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	460	460
Dibenzo (a,h)j anthracene	91	91
Benzo (a) anthracene	370	37
Benzo (b) fluoranthene	580	58
Indeno (1,2,3-cd) pyrene	370	37
Benzo (k) fluoranthene	340	3.4
Chrysene	530	5.3
Total		691.7

Surficial #10

PAH	Concentration ug/Kg or PPB	cPAHs
Benzo (a) pyrene	550	550
Dibenzo (a,h)j anthracene	120	120
Benzo (a) anthracene	370	37
Benzo (b) fluoranthene	660	66
Indeno (1,2,3-cd) pyrene	540	54
Benzo (k) fluoranthene	400	4
Chrysene	590	5.9
Total		836.9

Calculated cPAH values for the surficial soils with SVOC > TAGM 4046 RSCO range from 143.66 to 7244. The 2 greatest values are 7244 ppb, from surficial sample # 7, collected on the east side of the driveway; and 2093 ppb, collected near the RG&E transformer on the south property line. These PAHs are compounds typically associated with tar or asphalt. Fischbach & Moore and its predecessor T.H. Greene Electric are not the likely source of elevated PAH levels. If NYSDEC and NYSDOH determine that there is concern for potential exposures to PAH compounds, and remedial measures are required, we will propose to collect additional samples for SVOC analysis as part of the Remedial Design Investigation.

22. Inorganic compounds that exceed TAGM 4046 guidance values should also be tabulated in order to evaluate whether they may be indicative of site background levels or are site-related contaminants.

Passero Response:

As indicated in the tabulated data, no elevated levels of these parameters are indicated that are > than site background levels.

Section 2.5.2 - Subsurface Soil Sampling

23. All subsurface soil sample locations need to be shown on a figure.

Passero Response:

All subsurface soil sample locations are indicated on the enclosed Figure 9 (Attachment 2).

24. Please discuss the soil conditions, classification, and stratigraphy encountered in the borings.

Passero Response:

Soils that were encountered across the site were fine sediments with varying degrees of silt and fine sands, with traces of clay and gravel. The soils fall within the USCS SC (clayey sands, sand-clay mixtures) or CL (sandy or silty clay) Groups

No evidence of impacted soils (i.e. staining or odors) was noted in any of the soil borings, and no elevated levels of organic vapors were detected in any of the soils.

25. Please provide a summary of the PID screening results.

As stated above, no elevated PID levels were detected in any of the soils.

Passero Response:

26. Please discuss how the interval submitted for laboratory analysis was selected in the borings.

Passero Response:

The soil saturation was ambiguous in the semi-confined aquifer conditions; it was difficult based on the soil samples to select the "interval just above saturation" as stated in the Workplan. Based on the lack of evidence of impacted soil, a wide range of sample depths was selected to try to most favorably characterize subsurface conditions. NYSDC field inspector Robert Long was in agreement on selected sample intervals.

27. While it is true that all subsurface soil samples were analyzed for TCL VOCs and PCBs, a subset were also analyzed for TCL SVOCs, pesticides, and TAL metals. Please indicate which samples were analyzed for which set of parameters.

Passero Response:

The enclosed Chains of Custody (Appendix 6) indicate which samples were analyzed for which sets of parameters.

28. Comment no. 21 regarding the evaluation of inorganic data is also applicable to subsurface soil.

Passero Response:

Comment no. 21 is relative to PAH data. No PAHs were detected in the subsurface soil at concentrations > TAGM RSCO.

Section 2.6.1 - Installation & Development of Monitoring Wells

29. The depths of the screened intervals of the shallow and deep wells need to be discussed.
Section 2.6.2 - Monitoring Well Elevations/Water Elevations

Passero Response:

The monitoring well installation for the SI began on 4/14/03. The first soil boring to be sampled was borehole 5 (BH-5) in the parking lot at the south side of the subject building, for the installation of monitoring well MW-5. When BH-5 was installed, no obvious zone of saturation was identified to a depth of 32 feet; several narrow seams of saturated sand had been encountered. MW-5 was screened for 20 feet, from the depth of 30.5 feet beneath ground surface (BGS) up to 10.5 feet BGS to intercept the saturated seems. The depth to groundwater in MW-5 was measured to be approximately 5 feet BGS when measured on 4/16/03.

Based on the semi-confined conditions indicated by the measured water level in MW-5, the remaining shallow wells were screened accordingly. Screened intervals for the shallow ells are:

	Depth of Screened Interval
MW-1	16 feet BGS to 6 feet BGS
MW-2	15 feet BGS to 5 feet BGS
MW-3	20 feet BGS to 10 BGS feet
MW-4S	16 feet BGS to 6 feet BGS
MW-6	20 feet BGS to 10 feet BGS
MW-7	16.5 feet BGS to 6.5 feet BGS
MW-8	14.5 feet BGS to 4.5 feet BGS
MW-9	23.5 feet BGS to 13.5 feet BGS
MW-10	15 feet BGS to 5 feet BGS

30. Please identify the approximate depth to groundwater below the ground surface at the site for both rounds of sampling. In addition, hydraulic gradients and estimates of groundwater flow velocity should be provided.

Passero Response:

June 3-11, 2003
Prior to well development on June 3-11, 2003, Columbia Analytical Services (Columbia) measured depths to static water levels in the shallow wells; the static water levels in the shallow wells ranged from 1.65 feet below grade to 3.88 feet below grade.

The depth to static water in MW-4D was measured to be 20.85 feet on June 5, 2003.

December 3-8, 2003
Prior to well development on December 3-8, 2003, Columbia measured depths to static water levels in the shallow wells; the static water levels in the shallow wells ranged from 1.15 feet below grade to 4.62 feet below grade.

The depth to static water in MW-4D was measured to be 22.6 feet on June 5, 2003.

Section 2.6.3 - Groundwater Sampling

31. On Table 2, please include the detection of vinyl chloride at a concentration of 31 ppb in the December 2003 sample from MW-4D. This should also be included on Figure 6. Please double check these and any other tables against the analytical data to ensure that other compounds detected above SCGs have not been omitted.

Passero Response:

The 31 ppb of vinyl chloride detected in the December 3, 2003 sample from MW-4D is included in Table 2 and the revised Figure 6 (Attachment 2).

32. Statements are included that indicate all analytical data are provided in Table 3. The Table 3 included in this section summarizes only detected VOCs in well MW-10. Please include the referenced table that summarizes all groundwater analytical data.

Passero Response:

All data are tabulated with comparisons to applicable TAGM levels or Groundwater Standards (Attachment 2).

Section 3.2 - Human Health Exposure Assessment

33. The Department does not agree with the statement that no potential points of exposure were identified. Potential pathways of exposure to site contaminants that may affect persons at the site and/or may occur during future excavation/construction activities include:

! Inhalation of VOCs from soil gas migration into indoor air;
! Direct contact or incidental ingestion of contaminated soils;
! Inhalation of contaminated dust generated during construction activities; and
! Direct contact or ingestion of contaminated groundwater.
In addition, the extent of deep groundwater contaminant migration to possible off-site receptors has not been defined. These potential exposures need to be addressed and the assessment needs be completed, including an explanation of the routes of exposure and receptor population.

Passero Response:

As we discuss in item #5, above, per the January 2005 discussions with NYSDEC, we have met on site with Nicholas Mouganis of Mitigation Technology. We will submit an Interim Remedial Action Workplan for NYSDEC and NYSDOH approval to install a sub-slab ventilation system to address potential concerns relative to vapor intrusion into the building.

Relative to direct contact or incidental ingestion of contaminated soils, 235 Metro Park is zoned Industrial. There is little pedestrian traffic, and the nearest residential area is >0.5 mile in distance from the site. The potential exposure to any contaminated soils is minimal.

If inhalation of contaminated dust generated during construction activities is of concern, this can be addressed as part of the Remedial Design Investigation. Based on the cPAH values calculated in point 21, above, the areas at the east side of the access driveway (near surficial sample 7) and south side of the parking lot (sample 5) in close proximity to the RG&E transformer are of greatest concern. We interpret these elevated PAH levels to be indicative of tar or asphalt pieces that may have been present in the soil samples collected adjacent to the paved driveway and parking lot. As stated above, if NYSDEC and/or NYSDOH indicates concerns relative to PAH levels, more PAH characterization will be performed as part of the Remedial Design Investigation.

Section 3.3 - Remedial Options

34. Until the additional data noted in various comments above are adequately provided/summarized, we are unable to offer substantive comments on remedial options.

Passero Response:

Additional data are provided with this submission. In your October 22, 2004 letter you indicated that a Remedial Design Investigation should be included in the Remedial Action Work Plan. The data generated in the Remedial Design Investigation will be utilized to formalize a Remedial Action Work Plan.

Section 3.4 - Deep Groundwater

35. The Department concurs with the additional deep well locations shown on Figure 8. This work should be addressed as Remedial Design Investigation in the Remedial Action Work Plan. Note that some additional shallow groundwater wells may also be necessary to design and evaluate the remedial work. The wells should be installed in accordance with procedures identified in the approved Site Investigation Work Plan (July 2002).

Passero Response:

The additional deep wells will be addressed in the Remedial Design Investigation. We will propose to install 4 additional shallow wells during the Remedial Design Investigation: 2 shallow wells will be proposed downgradient from MW-4$ and 2 downgradient wells will be proposed downgradient from MW-10.

Appendices 11/12 - June 2003/December 2003 Groundwater Data

36. Summary sheets for groundwater VOC analysis only are provided. All groundwater analytical data summary sheets need to be provided, including SVOCs, pesticides, PCBs, and inorganic compounds. As previously noted, all exceedances of SCGs need to be tabulated and addressed in the Report text.

Passero Response:

All groundwater analytical data summary sheets including SVOCs, pesticides, PCBs, and inorganic compounds are included (attachment 7). All data are tabulated with comparisons to TAGM RSCO or Groundwater Standards. Complete DUSR packages are included under separate cover.

After you have had a chance to review these issues we look forward to meeting with you, NYSDOH and MCDOH to discuss how we proceed with addressing these issues and continuing to completion of this VCP.

Very truly yours,

Peter S. Morton, C.P.G.
Certified Professional Geologist

cc: Debby McNaughton
NYSDOH

Joseph Albert
MCDOH

Dan O'Brien, Esq.
Woods Oviatt Gilman LLP

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ATTACHMENT 1
Tabulated Data

TABULATED DATA

CONFIRMATORY TANK PIT SOILS

Pit Bottom-West

VOC

Contaminant	Concentration (ppb)	ppm Conversion	TAGM 4046 Rec. Soil Cleanup Objective (ppm)
(m+p) Xylene	8J	0.01	1.2

SVOC - All Non Detect

Metal

Analyte	Concentration (Mg/Kg or Ppm)	Rec. Soil Cleanup Objective
Lead	7.4	SB

SB-Site Background

Pit Bottom-East

VOC All Non Detect

SVOC

Contaminant	Concentration (ppb)	ppm Conversion	TAGM 4046 Rec. Soil Cleanup Objective (ppm)
Fluoranthene	55J	0.055	50
Pyrene	43J	0.043	50

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	7.9	SB ****

Pit – East Wall

VOC All Non-Detect
SVOC All Non-Detect

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	9.2	SB ****

Pit – West Wall

VOC All Non-Detect
SVOC All Non-Detect

Metal:

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	8.1	SB ****

Pit-Northwest Wall

VOC All Non-Detect
SVOC All Non-Detect

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	7.7	SB ****

Pit – Southeast Wall

VOC All Non Detect
SVOC All Non Detect

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	6.3	SB ****

Pit – Southwest Wall

VOC All Non Detect
SVOC All Non Detect

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	7.7	SB ****

Pit – Northeast Wall

VOC

Contaminant	*Concentration (ppb)*	*ppm Conversion*	*TAGM 4046 Rec. Soil Cleanup Objective (ppm)*
1,1-Dichloroethane	9 J	0.01	0.2
cis-1,2-Dichloroethene	3 J	0.003	NA
Tetrachloroethene	3 J	0.003	1.4
Trichloroethene	3 J	0.003	0.7

J = Laboratory estimated value
NA = Not Applicable (no TAGM Recommended Soil Cleanup Objective)

SVOC – All Non-Detect

Metal

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Lead	10.8	SB ****

SURFICIAL SOIL SAMPLES

Sample #1:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	46J	0.05	0.2

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	420	0.42	50
Anthracene	68J	0.07	50
Fluoranthene	900	0.9	50
Pyrene	720	0.72	50
Benzo (a) Anthracene	320J	0.32	0.224
Chrysene	370J	0.37	0.4
Bis (2-Ethylhexy) Phthalate	60J	0.06	50
Benzo (b) fluoranthene	420	0.42	1.1
Benzo (k) fluoranthene	220J	0.22	1.1
Benzo (a) Pyrene	370J	0.37	0.061
Indeno (1,2,3-cd) Pyrene	240J	0.24	3.2
Dibenz (a,h) anthracene	56J	0.06	0.014
Benzo (g,h,i) Perylene	250J	0.25	50

SURFICIAL SOIL SAMPLES - continued

Sample 1:

Metals

Analyte	Concentration Mg/Kg or PPM	TAGM Rec. Soil Cleanup Objective (ppm)
Aluminum	14800	SB
Arsenic	4.9	7.5 or SB
Barium	106	300 or SB
Calcium	12400	SB
Chromium	17.6	10 or SB
Copper	50.1	25 or SB
Iron	21300	2,000 or SB
Lead	25.9	SB ****
Magnesium	7050	SB
Manganese	435	SB
Nickel	15.6	13 or SB
Potassium	1260	SB
Vanadium	29.0	150 or SB
Zinc	345	20 or SB

SB is site background

**** Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

SURFICIAL SOIL SAMPLES - Continued

Sample #2:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	18J	0.02	0.2

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Fluoranthene	53J	0.05	50
Pyrene	50J	0.05	50

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	9560	SB
Arsenic	4.1	7.5 or SB
Barium	76.9	300 or SB
Calcium	40800	SB
Chromium	11.0	10 or SB
Copper	13.8	25 or SB
Iron	16300	2,000 or SB
Lead	12.3	SB ****
Magnesium	8330	SB
Manganese	465	SB
Nickel	10.2	13 or SB
Vanadium	19.4	150 or SB
Zinc	72.6	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #3:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	20J	0.02	0.2

SVOC – All Non-Detect

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	6270	SB
Arsenic	3.4	7.5 or SB
Barium	47.8	300 or SB
Calcium	111000	SB
Chromium	8.6	10 or SB
Copper	13.7	25 or SB
Iron	11500	2,000 or SB
Lead	13.4	SB ****
Magnesium	13100	SB
Manganese	366	SB
Nickel	10.3	13 or SB
Vanadium	14.6	150 or SB
Zinc	110	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #4:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	19J	0.02	0.2

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	93J	0.09	50
Fluoranthene	220J	0.22	50
Pyrene	200J	0.2	50
Benzo (a) Anthracene	110J	0.11	0.224
Chrysene	110J	0.11	0.4
Bis (2-Ethylhexy) Phthalate	39J	0.04	50
Benzo (b) fluoranthene	130J	0.13	1.1
Benzo (k) fluoranthene	76J	0.08	1.1
Benzo (a) Pyrene	110J	0.11	0.061
Indeno (1,2,3-cd) Pyrene	78J	0.08	3.2
Benzo (g,h,i) Perylene	79J	0.08	50

SURFICIAL SOIL SAMPLES - Continued

Sample #4:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	13700	SB
Arsenic	3.8	7.5 or SB
Barium	108	300 or SB
Calcium	15200	SB
Chromium	18.0	10 or SB
Copper	13.8	25 or SB
Iron	21200	2,000 or SB
Lead	11.9	SB ****
Magnesium	4190	SB
Manganese	310	SB
Mercury	0.40	0.1
Nickel	16.9	13 or SB
Potassium	1190	SB
Vanadium	28.1	150 or SB
Zinc	77.0	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #5:

VOC – All Non-Detect

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	940	0.94	50
Anthracene	120J	0.12	50
Carbazole	150J	0.15	-
Fluoranthene	3000	3.0	50
Pyrene	2600	2.6	50
Benzo (a) Anthracene	880	0.9	0.224
Chrysene	1500	1.5	0.4
Bis (2-Ethylhexy) Phthalate	68J	0.07	50
Benzo (b) fluoranthene	1700	1.7	1.1
Benzo (k) fluoranthene	1000	1.0	1.1
Benzo (a) Pyrene	1400	1.4	0.061
Indeno (1,2,3-cd) Pyrene	1300	1.3	3.2
Dibenz (a,h) anthracene	280J	0.3	0.014
Benzo (g,h,i) Perylene	1500	1.5	50
Acetophenone	65J	0.07	-

SURFICIAL SOIL SAMPLES - Continued

Sample #5:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	12400	SB
Arsenic	5.6	7.5 or SB
Barium	97.1	300 or SB
Calcium	18600	SB
Chromium	15.9	10 or SB
Cobalt	12.5.	30 or SB
Copper	15.3	25 or SB
Iron	24400	2,000 or SB
Lead	29.0	SB ****
Magnesium	8870	SB
Manganese	938	SB
Nickel	17.3	13 or SB
Vanadium	31.1	150 or SB
Zinc	98.2	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #6:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	9J	0.01	0.2

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	470J	0.5	50
Anthracene	120J	0.12	50
Carbazole	73J	0.73	-
Fluoranthene	1600	1.6	50
Pyrene	1100	1.1	50
Benzo (a) Anthracene	750	0.75	0.224
Chrysene	860	0.86	0.4
Benzo (b) fluoranthene	840J	0.84	1.1
Benzo (k) fluoranthene	520J	0.52	1.1
Benzo (a) Pyrene	810J	0.81	0.061
Indeno (1,2,3-cd) Pyrene	760J	0.76	3.2
Dibenz (a,h) anthracene	210J	0.21	0.014
Benzo (g,h,i) Perylene	780J	0.8	50

SURFICIAL SOIL SAMPLES - Continued

Sample #6:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	928	SB
Arsenic	3.5	7.5 or SB
Cadmium	2.3	1 or SB
Calcium	133000	SB
Chromium	10.0	10 or SB
Copper	10.3	25 or SB
Iron	9880	2,000 or SB
Lead	39.1	SB ****
Magnesium	80100	SB
Manganese	296	SB
Zinc	1120	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #7:

VOC – All non-detect

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	5400	5.4	50
Anthracene	840J	0.84	50
Carbazole	550J	0.55	-
Fluoranthene	12000	12.0	50
Pyrene	9500	9.5	50
Benzo (a) Anthracene	4100	4.1	0.224
Chrysene	5000	5.0	0.4
Bis (2-Ethylhexyl) Phthalate	3400J	3.4	50
Benzo (b) fluoranthene	5100	5.1	1.1
Benzo (k) fluoranthene	3400J	3.4	1.1
Benzo (a) Pyrene	5000	5.0	0.061
Indeno (1,2,3-cd) Pyrene	3800	3.8	3.2
Dibenz (a,h) anthracene	860J	0.86	0.014
Benzo (g,h,i) Perylene	4200	4.2	50

SURFICIAL SOIL SAMPLES - Continued

Sample #7:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	6500	SB
Arsenic	2.5	7.5 or SB
Calcium	11300	SB
Chromium	9.6	10 or SB
Copper	13.7	25 or SB
Iron	10600	2,000 or SB
Lead	19.1	SB ****
Magnesium	5410	SB
Manganese	268	SB
Vanadium	14.7	150 or SB
Zinc		20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #8:

VOC – All non-detect

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	790	0.79	50
Anthracene	130J	0.13	50
Carbazole	110J	0.11	-
Fluoranthene	1500	1.5	50
Pyrene	1100	1.1	50
Benzo (a) Anthracene	530	0.53	0.224
Chrysene	610	0.61	0.4
Bis (2-Ethylhexyl) Phthalate	74J	0.07	50
Benzo (b) fluoranthene	560	0.56	1.1
Benzo (k) fluoranthene	420	0.42	1.1
Benzo (a) Pyrene	510	0.51	0.061
Indeno (1,2,3-cd) Pyrene	360J	0.36	3.2
Dibenz (a,h) anthracene	92J	0.092	0.014
Benzo (g,h,i) Perylene	370J	0.37	50

SURFICIAL SOIL SAMPLES - Continued

Sample #8:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	11400	SB
Arsenic	4.4	7.5 or SB
Barium	76.7	300 or SB
Calcium	4250	SB
Chromium	15.6	10 or SB
Copper	9.6	25 or SB
Iron	17900	2,000 or SB
Lead	17.3	SB ****
Magnesium	3300	SB
Manganese	282	SB
Nickel	12.0	13 or SB
Vanadium	24.4	150 or SB
Zinc	68.4	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #9:

VOC -

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Acetone	57J	0.06	0.2

SVOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	460	0.46	50
Anthracene	66J	0.07	50
Carbazole	64J	0.06	-
Di-n-Butylphthalate	54J	0.05	8.1
Fluoranthene	100	1.1	50
Pyrene	870	0.87	50
Butyl benzyl phthalate	120J	0.12	50
Benzo (a) Anthracene	370J	0.37	0.224
Chrysene	530	0.53	0.4
Bis (2-Ethylhexyl) Phthalate	130J	0.13	50
Benzo (b) fluoranthene	580	0.58	1.1
Benzo (k) fluoranthene	340J	0.34	1.1
Benzo (a) Pyrene	460	0.46	0.061
Indeno (1,2,3-cd) Pyrene	370J	0.37	3.2
Dibenz (a,h) anthracene	91J	0.91	0.014
Benzo (g,h,i) Perylene	400J	0.40	50

SURFICIAL SOIL SAMPLES - Continued

Sample #9:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	13100	SB
Arsenic	3.7	7.5 or SB
Barium	87.2	300 or SB
Calcium	6010	SB
Chromium	28.6	10 or SB
Copper	12.5	25 or SB
Iron	19000	2,000 or SB
Lead	20.5	SB ****
Magnesium	3950	SB
Manganese	309	SB
Nickel	13.7	13 or SB
Potassium	1420	SB
Vanadium	25.3	150 or SB
Zinc	81.6	20 or SB

SURFICIAL SOIL SAMPLES - Continued

Sample #10:

VOC

Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Chloroform	3J	0.003	0.3

SVOC Analyte	Concentration PPb	Concentration PPm	TAGM Rec. Soil Cleanup Objective (ppm)
Phenanthrene	340J	0.34	50
Anthracene	48J	0.05	50
Carbazole	57J	0.06	-
Fluoranthene	1100	1.1	50
Pyrene	840	0.84	50
Benzo (a) Anthracene	370J	0.37	0.224
Chrysene	590	0.59	0.4
Bis (2-Ethylhexyl) Phthalate	71J	0.07	50
Benzo (b) fluoranthene	660	0.66	1.1
Benzo (k) fluoranthene	400	0.40	1.1
Benzo (a) Pyrene	550	0.55	0.061
Indeno (1,2,3-cd) Pyrene	540	0.54	3.2
Dibenz (a,h) anthracene	120J	0.12	0.014
Benzo (g,h,i) Perylene	640	0.40	0.64

SURFICIAL SOIL SAMPLES - Continued

Sample #10:

Metals

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	6740	SB
Arsenic	2.8	7.5 or SB
Barium	61.0	300 or SB
Calcium	54900	SB
Chromium	10.1	10 or SB
Copper	10.1	25 or SB
Iron	13500	2,000 or SB
Lead	21.5	SB ****
Magnesium	23800	SB
Manganese	550	SB
Nickel	10.9	13 or SB
Vanadium	16.9	150 or SB
Zinc	73.5	20 or SB

SURFICIAL SOIL SAMPLES - Continued

PESTICIDES/PCB

Sample 1:
No surficial pesticides detected

Sample 2:
No surficial pesticides detected

Sample 3:

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Aroclor-1254 (pcb)	84	0.08	1.0 (surface)

Sample 4:

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Aroclor-1254 (pcb)	97	0.1	1.0 (surface)

Sample 5:
No surficial pesticides detected

Sample 6:
No surficial pesticides detected

Sample 7:
No surficial pesticides detected

Sample 8:
No surficial pesticides detected

Sample 9:
No surficial pesticides detected

Sample 10:
No surficial pesticides detected

SUB-SLAB VOC

Sample: SS-1-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	32J	0.03	0.2
2-Butanone	9J	0.01	0.3

Sample: SS-2-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	10J	0.01	0.2

Sample: SS-3-1-2
VOC – all non-detected

Sample: SS-4-0-1
VOC – all non- detected

Sample: SS-5-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Trichloroethene	3J	0.003	0.7

Sample: SS-6-0-1
VOC – all non- detected

Sample: SS-7-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	82J	0.08	0.7
2-Butanone	21J	0.02	0.3

SUB-SLAB VOC – continued

Sample: SS-8-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	42J	0.04	0.7
cis-1,2-Dichloroethene	140	0.14	NA
Trichloroethene	6J	0.01	0.7

Sample: SS-9-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	89J	0.04	0.7
2-Butanone	26J	0.03	0.3

Sample: SS-10-0-1

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	10J	0.01	0.7

Sample: SS-11-1-2

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	12J	0.01	0.7

SUB-SLAB SVOC

Sample : SS-1-0-1
No sub-slab SVOC detected

Sample: SS-5-0-1
No sub-slab SVOC detected

SUB-SLAB PESTICIDE/PCB

Sample: SS-1-0-1
No sub-slab pesticide/PCB detected

Sample: SS-2-0-1
No sub-slab pesticide/PCB detected

Sample: SS-3-1-2
No sub-slab pesticide/PCB detected

Sample: SS-4-0-1
No sub-slab pesticide/PCB detected

Sample: SS-5-0-1
No sub-slab pesticide/PCB detected

Sample: SS-6-0-1
No sub-slab pesticide/PCB detected

Sample: SS-7-0-1
No sub-slab pesticide/PCB detected

Sample: SS-8-0-1
No sub-slab pesticide/PCB detected

Sample: SS-9-0-1
No sub-slab pesticide/PCB detected

Sample: SS-10-0-1
No sub-slab pesticide/PCB detected

Sample: SS-11-1-2
No sub-slab pesticide/PCB detected

BOREHOLE VOC

Sample: BH-1–4'-6'
No borehole VOC detected

Sample: BH-2-4'-6'
No borehole VOC detected

Sample: BH-3-12'-14'
No borehole VOC detected

Sample: BH-4-11'-12'
No borehole VOC detected

Sample: BH-5-4'-5'
No borehole VOC detected

Sample: BH-6-12'-13'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
1,1,2-Trichloro-1,2,2-Trifluoroeth	7J	0.01	-
Acetone	12J	0.01	11

Sample: BH-7-11'-15'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
1,1,2-Trichloro-1,2,2-Trifluoroeth	7J	0.01	-

Sample: BH-8-8'-11'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Trichloroethene	4J	0.004	0.7
Tetrachloroethene	56	0.06	1.4

BOREHOLE VOC- continued

Sample: BH-9-19'-22'
No borehole VOC detected

Sample: BH-10-10'-11'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	12J	0.01	11
Methylcyclohexane	2J	0.002	-

Sample: BH-11-4'-5'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Methylene chloride	4J	0.004	0.1

Sample: BH-12-8'-9'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
1,1-Dichloroethene	2J	0.002	0.4
1,1,1-Trichloroethane	5J	0.005	0.8

Sample: BH-13-19'-20'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	13J	0.01	11
Methylene chloride	4J	0.004	0.1
Tetrachloroethene	6J	0.006	1.4

BOREHOLE VOC- continued

Sample: BH-15-4'-5'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Methylene chloride	4J	0.004	0.1

Sample: BH-15-29'-30'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	10J	0.01	11

Sample: BH-16-4'-5'
No borehole VOC detected

Sample: BH-17-3'-4'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Tetrachloroethene	4J	0.004	1.4

Sample: BH-18-3'-4'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	9J	0.01	11

Sample: BH-19-3'-4'
No borehole VOC detected

Sample: BH-20-3'-4'
No borehole VOC detected

Sample: BB-21-4'-5'
No borehole VOC detected

BOREHOLE VOC- continued

Sample: BH-22-4'-5'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	10J	0.01	11
Toluene	4J	0.004	1.5

Sample: BH-23-11'-12'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	22J	0.02	11
Toluene	11J	0.01	1.5

Sample: BH-24-3'-4'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	22J	0.02	11

Sample: BH-25-2'-3'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	15J	0.015	11

Sample: BH-26-2'-3'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	19J	0.02	11

BOREHOLE VOC- continued

Sample: BH-26-7'-8'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Cis,1,2-Dichloroethene	26	0.03	-

Sample: BH-26-9'-10'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Cis,1,2-Dichloroethene	15	0.015	-
Trichloroethene	9J	0.01	0.7

Sample: BH-27-1'-2'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	19J	0.2	11

Sample: BH-28-2'-3'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	120J	0.12	11
2-Butanone	34J	0.03	0.3

Sample: BH-29-1'-2'

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Acetone	12J	0.01	11

BOREHOLE VOC- continued

Sample: BH-30-5'-6'
No borehole VOC detected

BOREHOLE SVOC

Sample: BH-1
No borehole SVOC detected

Sample: BH-3
No borehole SVOC detected

Sample: BH-9

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Di-n-Butylphthalate	56J	0.06	-

Sample: BH-14

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Di-n-Butylphthalate	68J	0.07	-

Sample: BH-16

Compound	Concentration Units Ug/kg	PPM Conversion	Cleanup Objective TAGM 4046 Rec. Soils
Di-n-Butylphthalate	40J	0.04	-

Sample: BH-19
No borehole SVOC detected

Sample: BH-26
No borehole SVOC deteected

Sample: BH-28
No borehole SVOC detected

BOREHOLE METALS

Sample: BH-1

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	4750	SB
Arsenic	3.3	7.5 or SB
Calcium	53100	SB
Chromium	8.3	10 or SB
Copper	10.7	25 or SB
Iron	13000	2,000 or SB
Lead	10.7	SB ****
Magnesium	18400	SB
Manganese	303	SB
Vanadium	17.6	150 or SB
Zinc	65.6	20 or SB

Sample: BH-3

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	5870	SB
Arsenic	2.3	7.5 or SB
Barium	56.4	300 or SB
Calcium	57500	SB
Chromium	10.8	10 or SB
Copper	10.8	25 or SB
Iron	13500	2,000 or SB
Lead	7.3	SB ****
Magnesium	17400	SB
Manganese	421	SB
Nickel	12.2	13 or SB
Potassium	1120	SB
Vanadium	18.4	150 or SB

BOREHOLE METALS- continued

Sample: BH-9

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	5870	SB
Arsenic	2.3	7.5 or SB
Barium	56.4	300 or SB
Calcium	57500	SB
Chromium	10.8	10 or SB
Copper	10.8	25 or SB
Iron	13500	2,000 or SB
Lead	7.3	SB ****
Magnesium	17400	SB
Manganese	421	SB
Nickel	12.2	13 or SB
Potassium	1120	SB
Vanadium	18.4	150 or SB

BOREHOLE METALS- continued

Sample: BH-14

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	6170	SB
Arsenic	2.6	7.5 or SB
Barium	52.5	300 or SB
Calcium	65100	SB
Chromium	10.9	10 or SB
Copper	10.2	25 or SB
Iron	13900	2,000 or SB
Lead	6.7	SB ****
Magnesium	19200	SB
Manganese	407	SB
Nickel	11.5	13 or SB
Potassium	1150	SB
Vanadium	20.4	150 or SB
Zinc	60.0	20 or SB

BOREHOLE METALS- continued

Sample: B-16-4'-5'

Analyte	Concentration Mg/Kg or PPM	Rec. Soil Cleanup Objective (ppm)
Aluminum	5060	SB
Arsenic	39.5	7.5 or SB
Barium	59.5	300 or SB
Calcium	59300	SB
Chromium	9.1	10 or SB
Copper	11.0	25 or SB
Iron	12000	2,000 or SB
Lead	7.7	SB ****
Magnesium	16600	SB
Manganese	490	SB
Nickel	11.7	13 or SB
Vanadium	16.5	150 or SB
Zinc	45.7	20 or SB

BOREHOLE PESTICIDE/PCB

Sample: BH-1 through BH-30

No borehole pesticide/pcb detected for all

cPAH Calculations

SURFICIAL SOIL SAMPLES

Surfical #1

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	370J	370
Dibenzo (a,h)j anthracene	56J	56
Benzo (a) anthracene	320J	32
Benzo (b) fluoranthene	420	42
Indeno (1,2,3-cd) pyrene	240J	24
Benzo (k) fluoranthene	220J	2.2
Chrysene	370J	3.7
Total		529.9

Surficial #2
Non-detected for all

Surficial #3
Non-detected for all

Surficial #4

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	110J	110
Dibenzo (a,h)j anthracene	ND	ND
Benzo (a) anthracene	110J	11.0
Benzo (b) fluoranthene	130J	13.0
Indeno (1,2,3-cd) pyrene	78	7.8
Benzo (k) fluoranthene	76J	0.76
Chrysene	110	1.1
Total		143.66

cPAH Calculations

SURFICIAL SOIL SAMPLES- continued

Surficial #5

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	1400	1400
Dibenzo (a,h)j anthracene	280	280
Benzo (a) anthracene	880	88
Benzo (b) fluoranthene	1700	170
Indeno (1,2,3-cd) pyrene	1300	130
Benzo (k) fluoranthene	1000	10
Chrysene	1500	15
Total		2093

Surficial #6

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	810	810
Dibenzo (a,h)j anthracene	210	210
Benzo (a) anthracene	750	75
Benzo (b) fluoranthene	840	84
Indeno (1,2,3-cd) pyrene	760	76
Benzo (k) fluoranthene	520	5.2
Chrysene	860	8.6
Total		1268.8

cPAH Calculations

SURFICIAL SOIL SAMPLES- continued

Surficial #7

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	5000	5000
Dibenzo (a,h)j anthracene	860	860
Benzo (a) anthracene	4100	410
Benzo (b) fluoranthene	5100	510
Indeno (1,2,3-cd) pyrene	3800	380
Benzo (k) fluoranthene	3400	340
Chrysene	5000	50
Total		7244

Surficial #8

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	510	510
Dibenzo (a,h)j anthracene	92	92
Benzo (a) anthracene	530	53
Benzo (b) fluoranthene	560	56
Indeno (1,2,3-cd) pyrene	360	36
Benzo (k) fluoranthene	420	4.2
Chrysene	610	6.1
Total		757.3

cPAH Calculations

SURFICIAL SOIL SAMPLES- continued

Surficial #9

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	460	460
Dibenzo (a,h)j anthracene	91	91
Benzo (a) anthracene	370	37
Benzo (b) fluoranthene	580	58
Indeno (1,2,3-cd) pyrene	370	37
Benzo (k) fluoranthene	340	3.4
Chrysene	530	5.3
Total		691.7

Surficial #10

PAH	Concentration Mg/Kg or PPM	cPAHs
Benzo (a) pyrene	550	550
Dibenzo (a,h)j anthracene	120	120
Benzo (a) anthracene	370	37
Benzo (b) fluoranthene	660	66
Indeno (1,2,3-cd) pyrene	540	54
Benzo (k) fluoranthene	400	4
Chrysene	590	5.9
Total		836.9

cPAH Calculations

SUB-SLAB METALS

Sample: SS-1-0-1

Analyte		TAGM
Aluminum	12700	SB
Arsenic	5.2	7.5 or SB
Barium	114	300 or SB
Calcium	4510	SB
Chromium	18.1	10 or SB
Copper	15.2	25 or SB
Iron	22200	2,000 or SB
Lead	14.2	SB
Magnesium	3880	SB
Nickel	19.5	13 or SB
Vanadium	32.9	SB
Zinc	60.2	SB

Sample: SS-5-0-1

Analyte	Concentration Mg/Kg or PPM	TAGM
Aluminum	5270	SB
Arsenic	3.1	7.5 or SB
Calcium	41300	SB
Chromium	9.1	10 or SB
Copper	9.0	25 or SB
Iron	12300	2,000 or SB
Lead	6.2	SB
Magnesium	18400	SB
Nickel	9.5	13 or SB
Vanadium	17.7	SB
Zinc	177	SB

SUMMA CANISTER

Summa 1

Compound	Result ug/m^3
Acetone	16
Trichlorofluoromethane	1.8
Carbon Disulfide	2.6
2-Butanone (MEK)	5.6
Toluene	1.8
Tetrachloroethene	2.1
m,p – Xylenes	3.8

Summa 2

Compound	Result ug/m^3
Vinyl Chloride	6.7
Acetone	21
Carbon Disulfide	31
Trans-1,2-Dichloroethene	30
1,1-Dichloroethane	3.4
2-Butanone (MEK)	5.1
Cis-1,2-Dichloroethene	1800
1,1,1-Trichloroethane	7.5
Trichloroethane	40
Tetrachloroethene	20
m,p – Xylenes	6.8

SUMMA CANISTER - continued

Summa 3

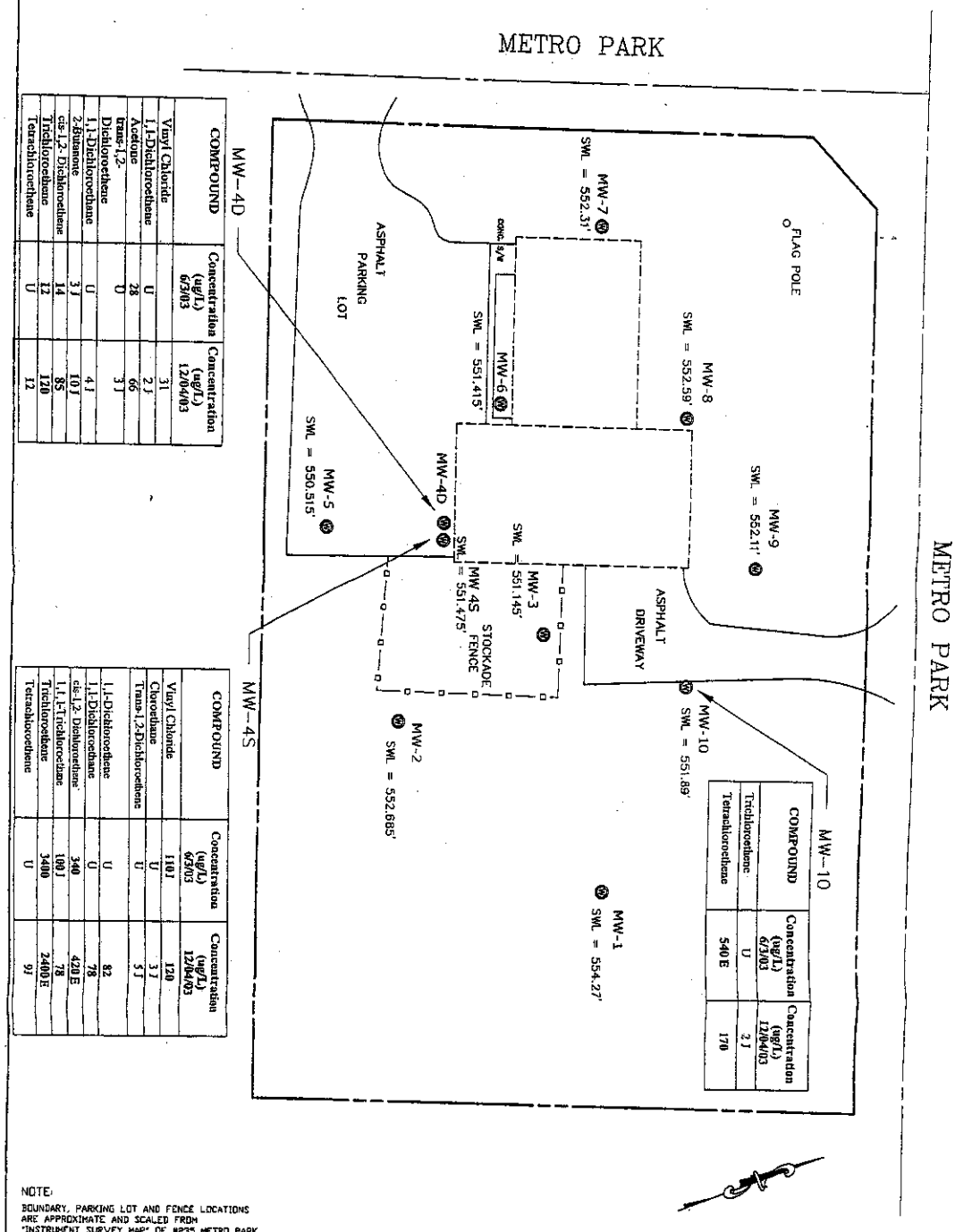
Compound	Result ug/m^3
Chloromethane	2.2
Acetone	26
Trichlorofluoromethane	2.0
Carbon Disulfide	3.6
2-Butanone (MEK)	3.3
Toluene	1.8
Ethylbenzene	2.7
m,p-Xylenes	13

ATTACHMENT 2
Figures

MONITORING WELL LOCATIONS & ELEVATIONS

Project FISHBACH & MOORE V.C.A.

Street 235 METRO PARK Town BRIGHTON, N.Y.



COMPOUND	Concentration (ug/L) 6/3/03	Concentration (ug/L) 12/04/03
Vinyl Chloride	U	31
1,1-Dichloroethene	U	2 J
Acetone	28	66
trans-1,2-Dichloroethene	U	3 J
1,1-Dichloroethane	U	4 J
2-Butanone	3 J	10 J
cis-1,2- Dichloroethene	14	85
Trichloroethane	12	120
Tetrachloroethene	U	12

COMPOUND	Concentration (ug/L) 6/3/03	Concentration (ug/L) 12/04/03
Vinyl Chloride	110 J	120
Chloroethane	U	3 J
Trans-1,2-Dichloroethene	U	3 J
1,1-Dichloroethene	U	82
1,1-Dichloroethane	U	78
cis-1,2- Dichloroethene	340	428 E
1,1,1-Trichloroethane	180 J	78
Trichloroethene	3400	2400 E
Tetrachloroethene	U	93

COMPOUND	Concentration (ug/L) 6/3/03	Concentration (ug/L) 12/04/03
Tetrachloroethene	540 E	170
Trichloroethene	U	2 J

NOTE:
BOUNDARY, PARKING LOT AND FENCE LOCATIONS ARE APPROXIMATE AND SCALED FROM "INSTRUMENT SURVEY MAP" OF #235 METRO PARK DONE ON MAY 30,1989 AND REDATED ON OCTOBER 10,1990 BY LARSEN ENGINEERS.

WELL LOCATIONS & ANALYTICAL DATA

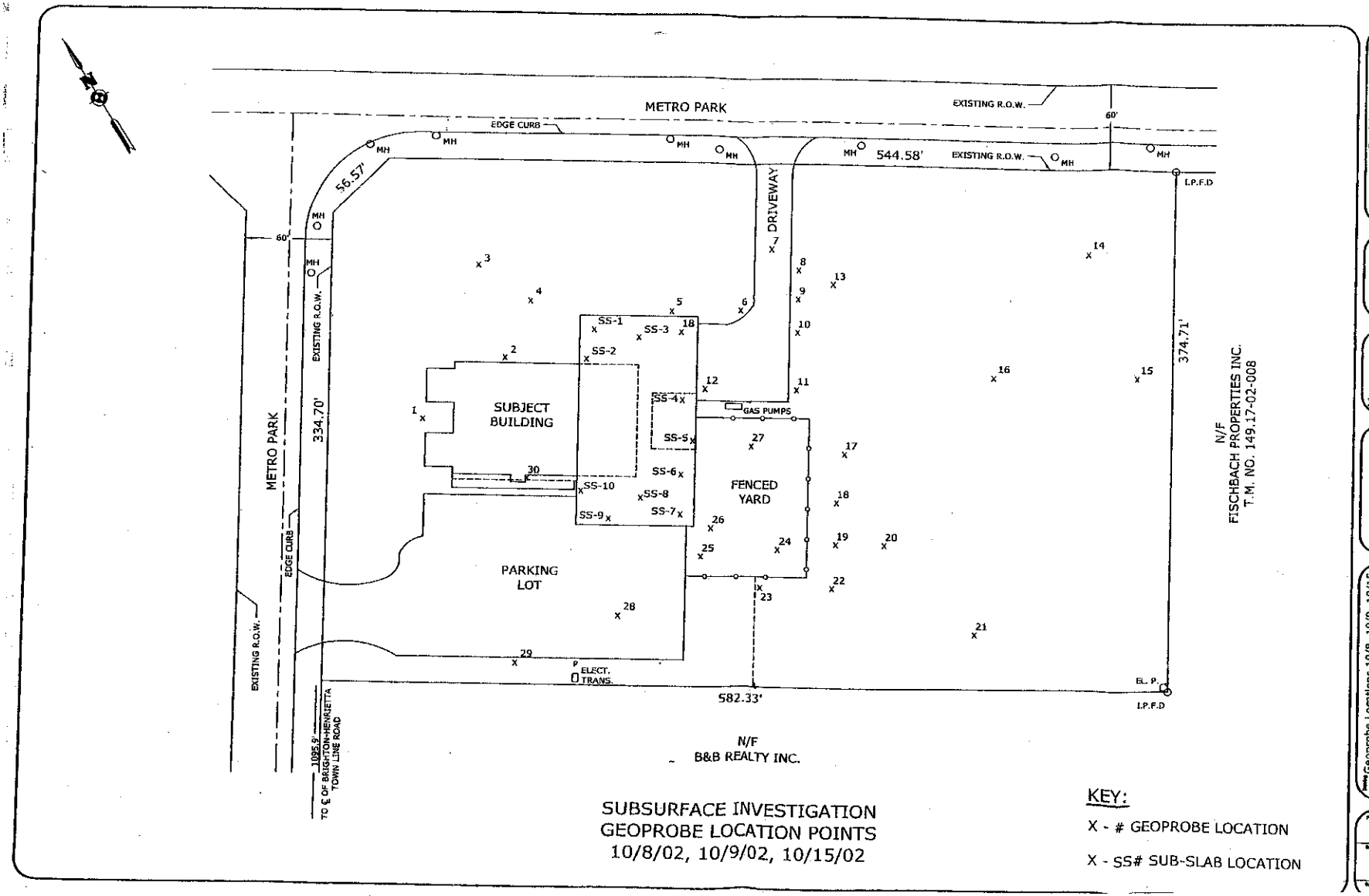
Scale 1" = 60'
Date 6/9/04
Drawn By F.W.M.
Checked By

PASSERO ASSOCIATES
ARCHITECTS-ENGINEERS-SURVEYORS
100 LIBERTY POLE WAY, ROCHESTER, NY 14604 (716)325-1000
www.passero.com
ARCHITECTURE ENGINEERING SURVEYING PLANNING

Job No. 20121.10H

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE N.Y.S. EDUCATION LAW.

004310



SUBSURFACE INVESTIGATION
GEOPROBE LOCATION POINTS
10/8/02, 10/9/02, 10/15/02

KEY:

X - # GEOPROBE LOCATION

X - SS# SUB-SLAB LOCATION

Revisions

1"=60'

Passero Associates, P.C.
Engineering
Architecture
Surveying
Planning

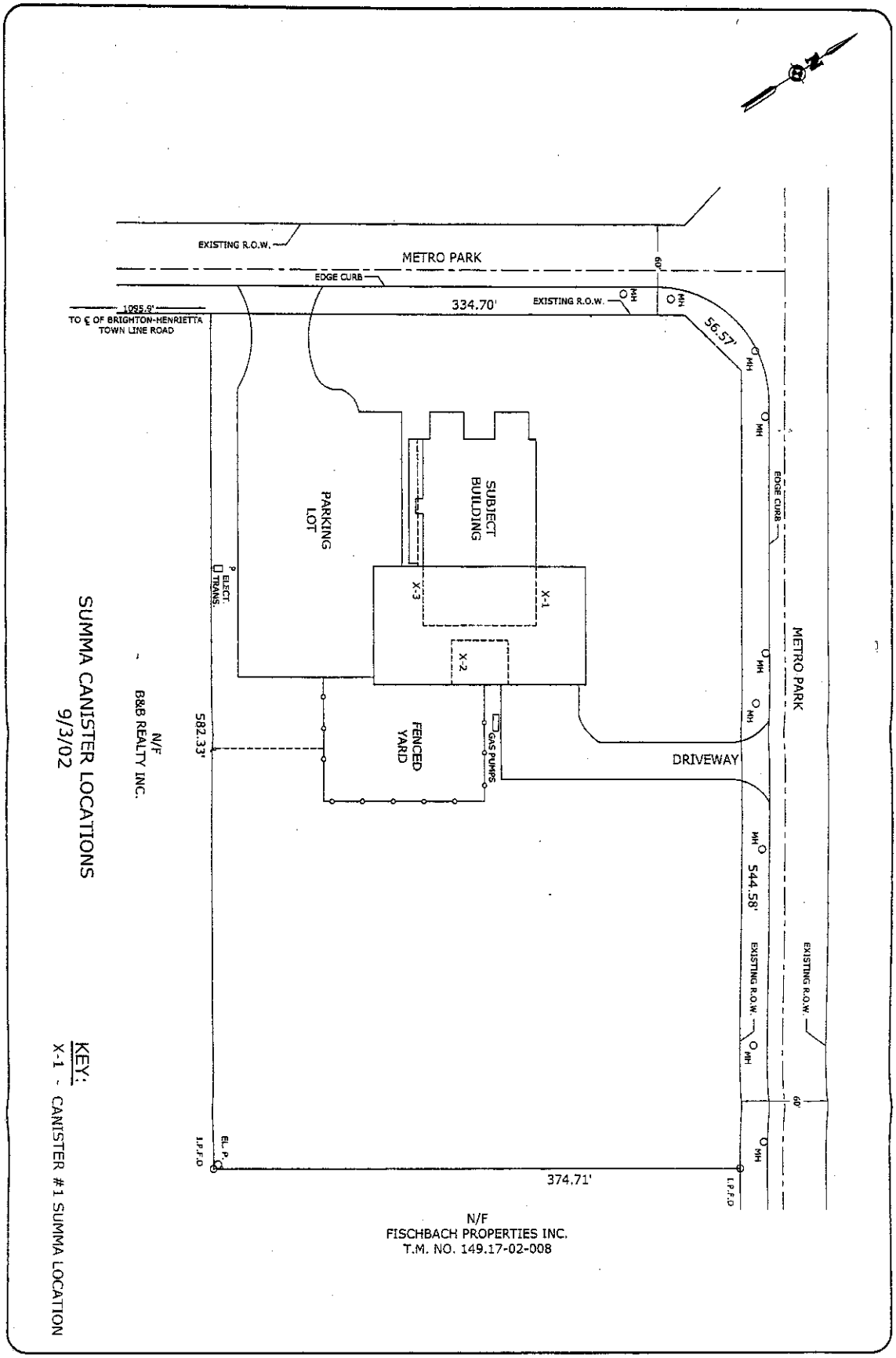
Geoprobe Locations 10/8, 10/9, 10/15
Fischbach and Moore Voluntary Cleanup
235 Metro Park, LLC

20121.10

9

NOV 2004

004311

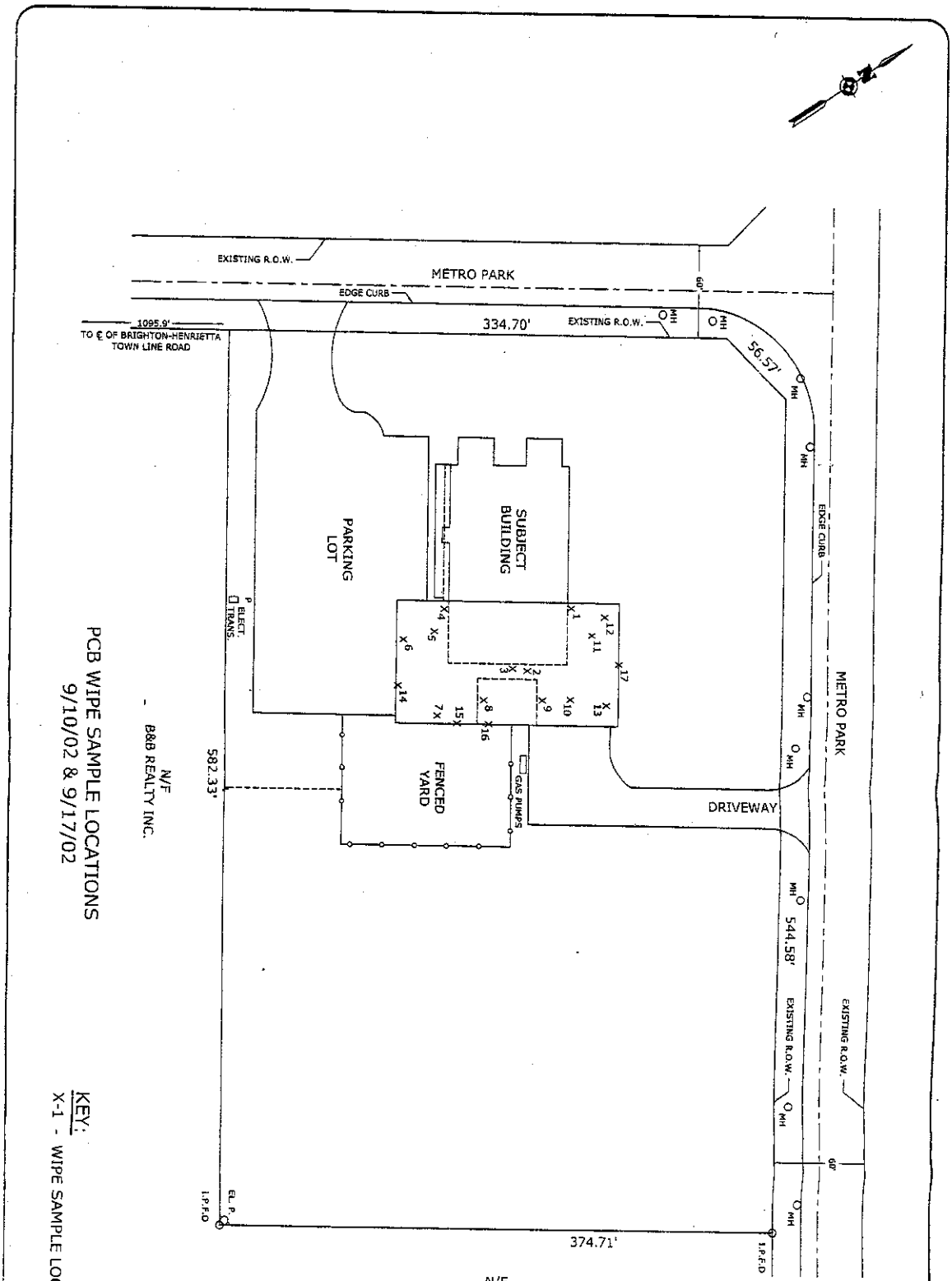


SUMMA CANISTER LOCATIONS
9/3/02

KEY:
X-1 - CANISTER #1 SUMMA LOCATION

Date: NOV. 2004	Summa Canister Sub-Surface Samples 9/3/02	Passero Associates, P.C.	1"=60'		Revisions
Project No. 2012.110	Fischbach and Moore Voluntary Cleanup	Engineering Architecture Surveying Planning	Drawn by: G.P.		
Drawing No. 10	235 Metro Park, LLC		Project Manager: A.K.		
			Designed by: M.A.		

004312



Confirmatory PCB Samples 9/10/02 & 9/17/02

Fischbach and Moore Voluntary Cleanup

Passero Associates, P.C.
Engineering
Architecture
Surveying
Planning

1"=60'

G.P.

A.K.

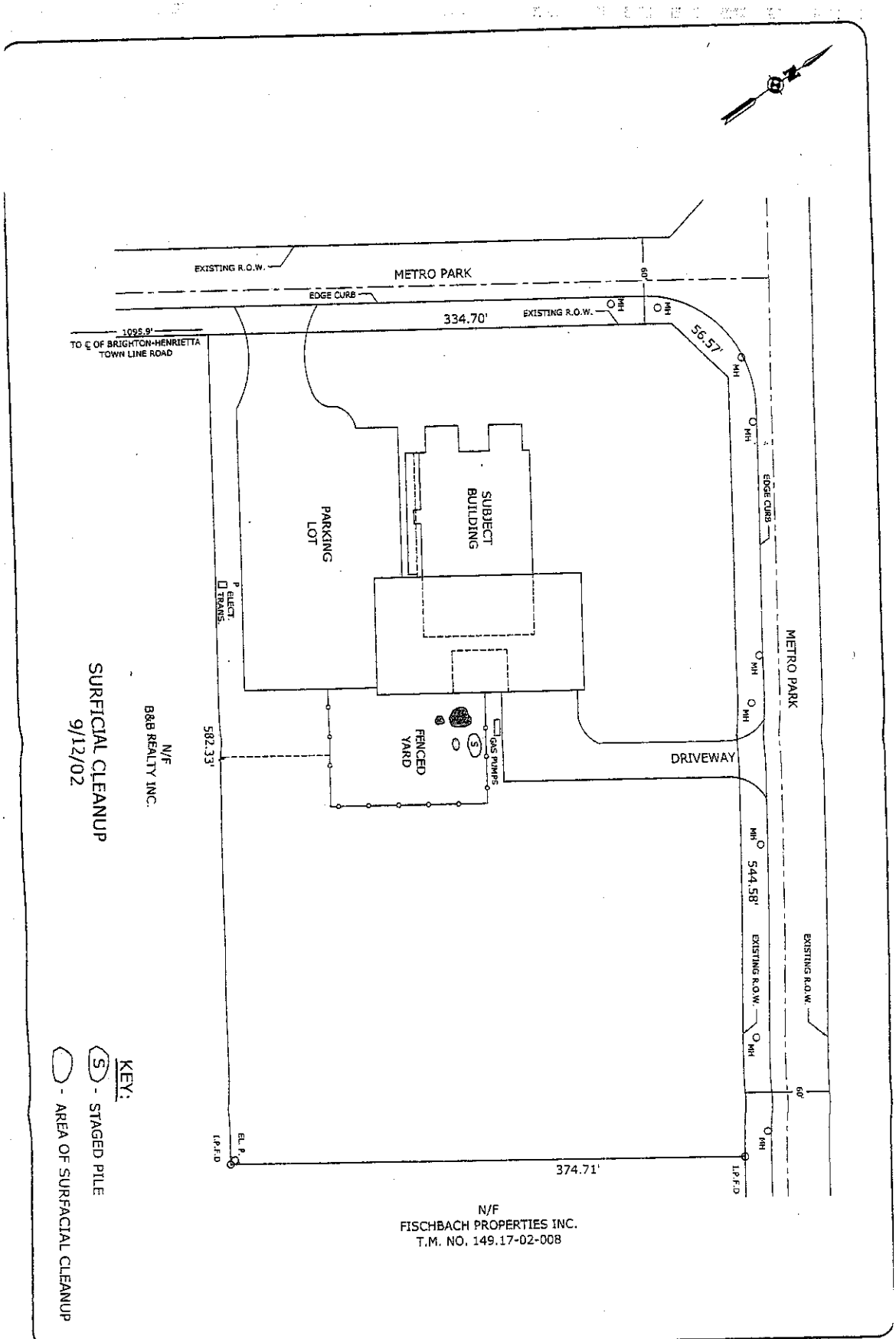
Revisions

NOV. 2004

20121.10

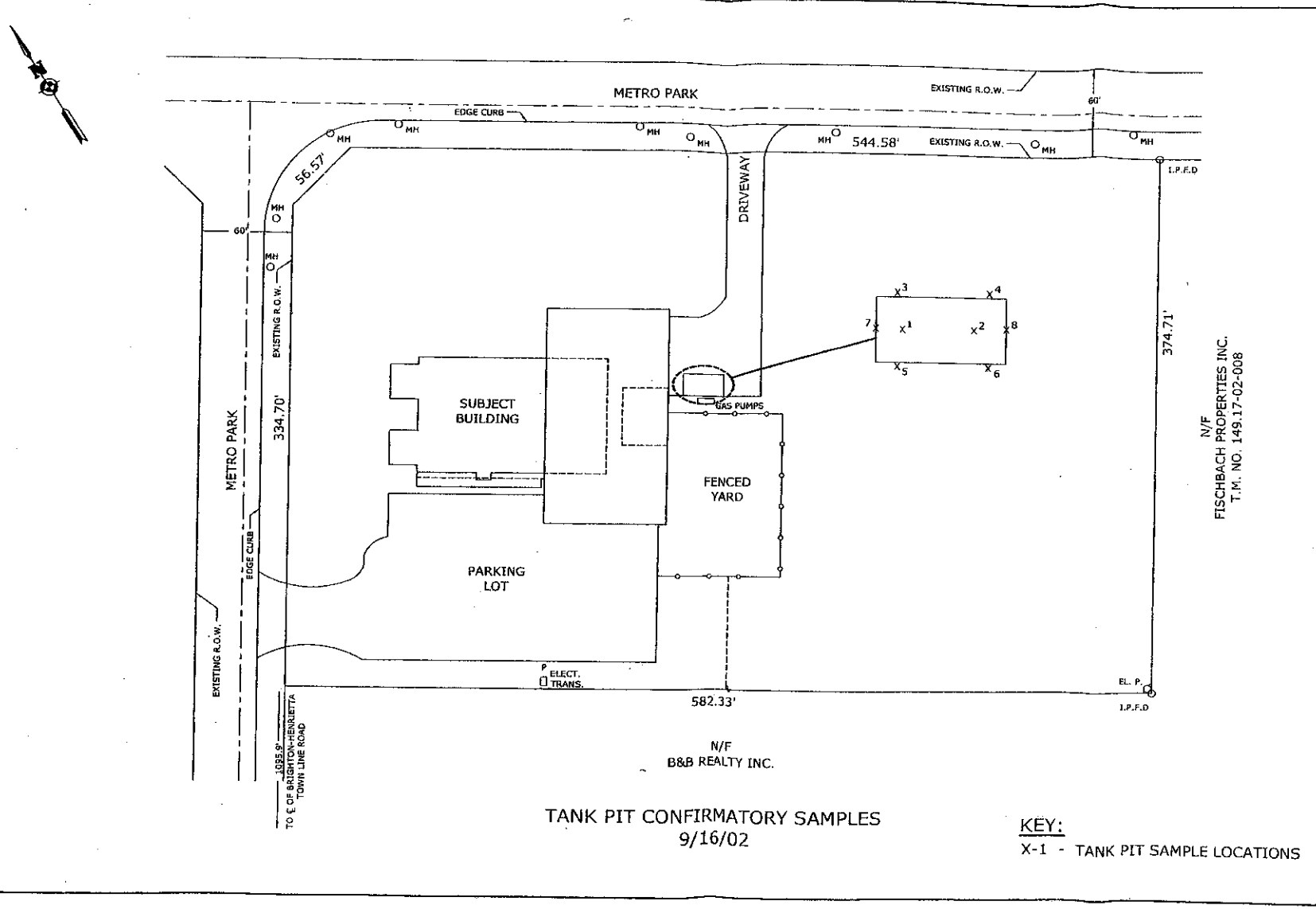
11

004313



Proj. No. 20121.10	Surfacial Cleanup 9/12/02	Passero Associates, P.C.	1"=60'		Revisions
Drawing No. 12	Project: Fischbach and Moore Voluntary Cleanup	Engineering Architecture Surveying Planning	Principle-in-Charge: G.P.		
Date: NOV. 2004	Owner: 235 Metro Park, LLC		Project Manager: A.K.		
			Designed by: M.A.		

004314



TANK PIT CONFIRMATORY SAMPLES
9/16/02

KEY:
X-1 - TANK PIT SAMPLE LOCATIONS

Revisions

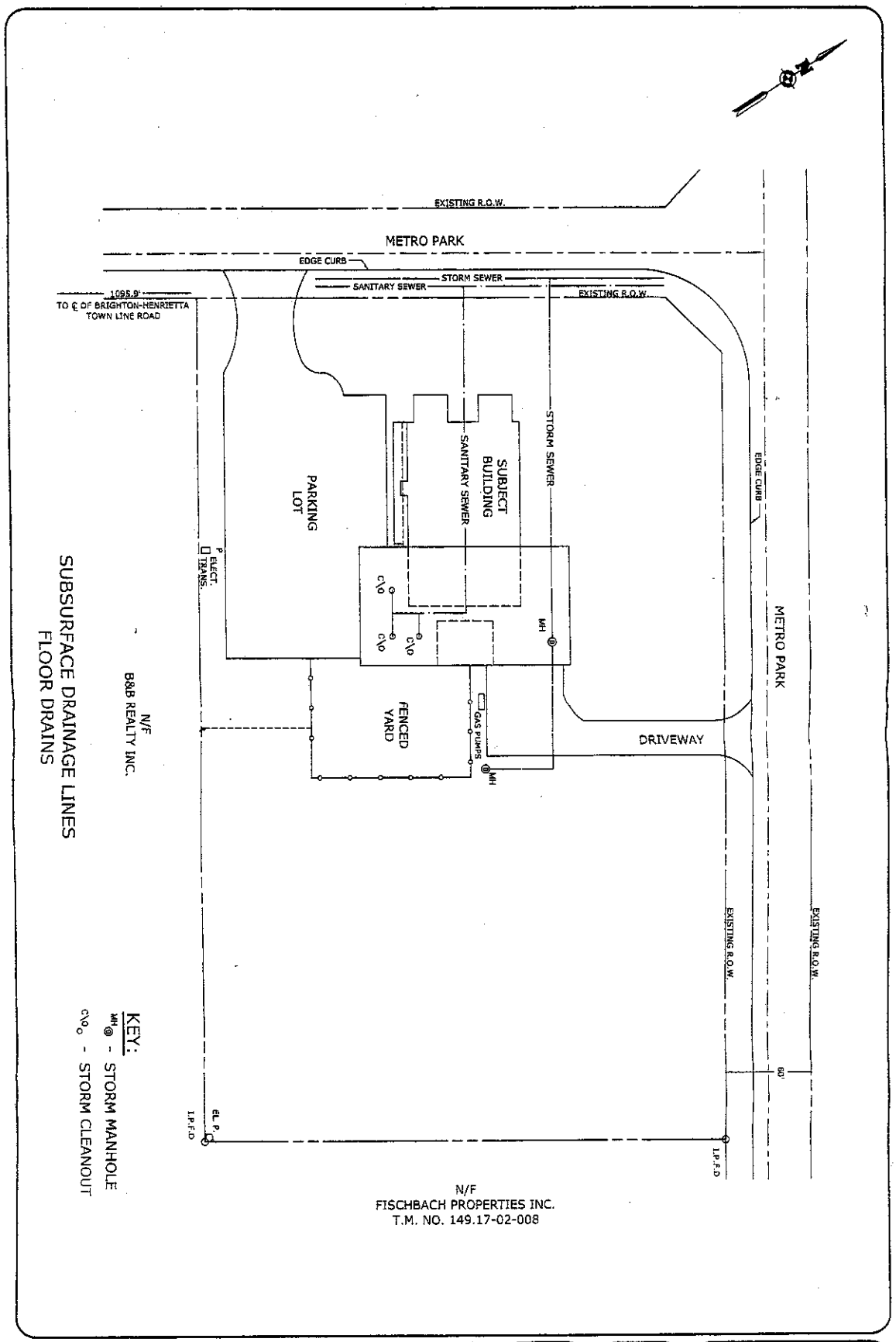
1" = 60'

Passero Associates, P.C.
Engineering
Architecture
Surveying
Planning

Tank Pit Confirmatory Sample Locations 9/15/02
Fischbach and Moore Voluntary Cleanup
235 Metro Park, LLC

20121.10
13
NOV. 2004

004315



Subsurface Drainage Lines

Fischbach and Moore Voluntary Cleanup

Passero Associates, P.C.
Engineering
Architecture
Surveying

1"=60'

G.P.

A.K.

Revisions

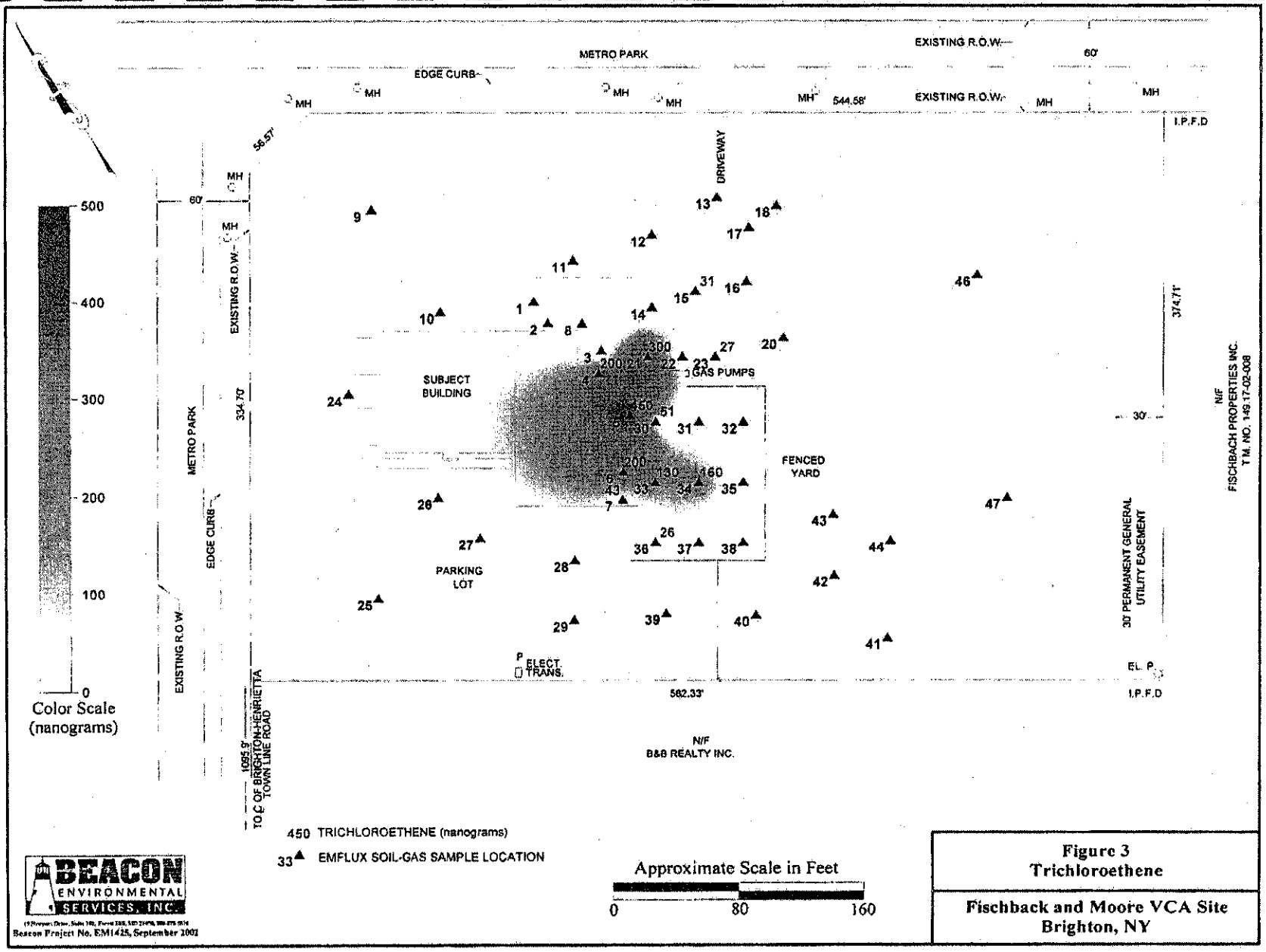
20121.10

Fig. 14

NOV. 2004

004316

ATTACHMENT 3
Beacon Figure 3



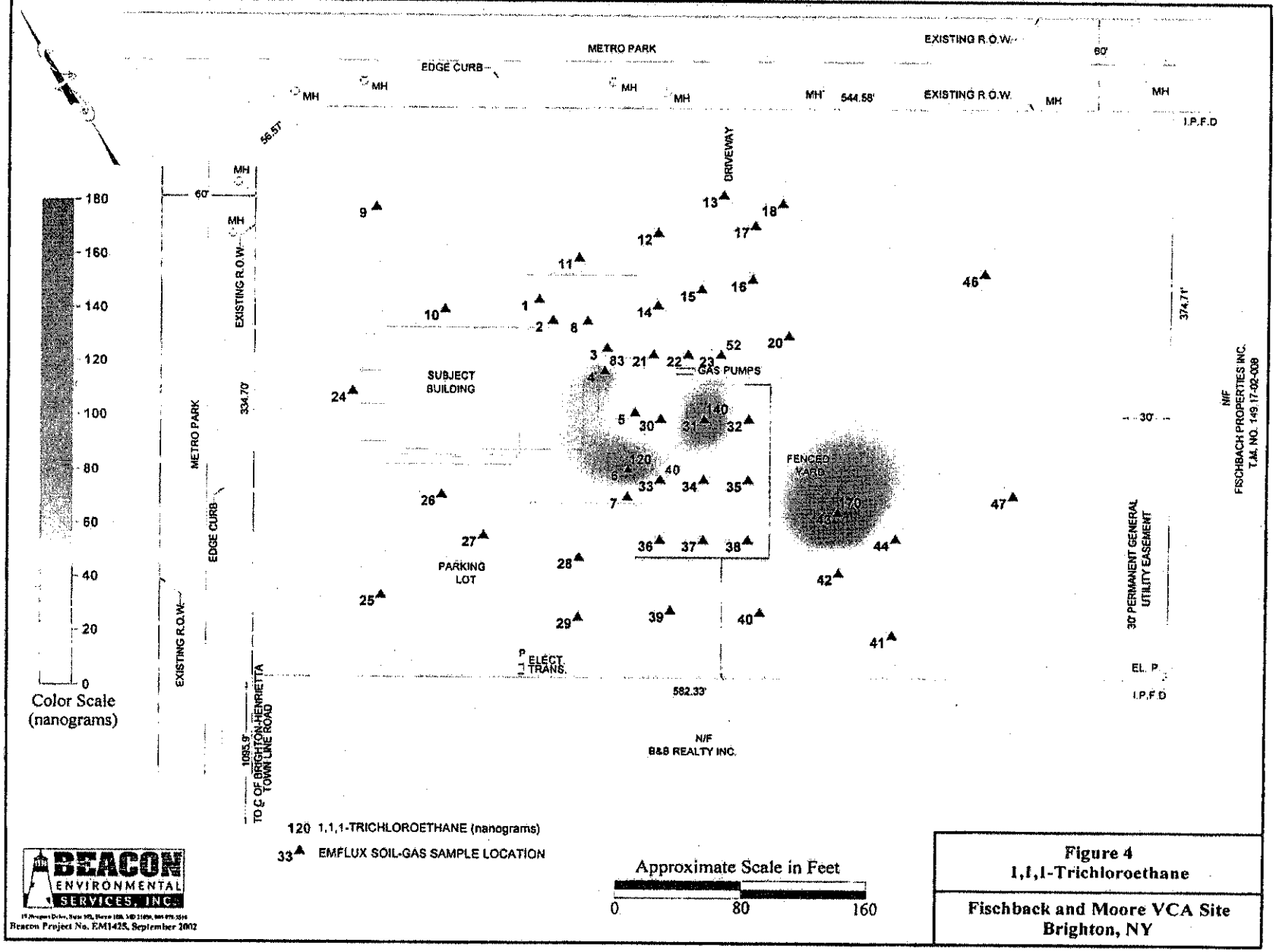
BEACON ENVIRONMENTAL SERVICES, INC.

Beacon Project No. EM1425, September 2002

Figure 3
Trichloroethene

Fischback and Moore VCA Site
Brighton, NY

004318



BEACON ENVIRONMENTAL SERVICES, INC.

Beacon Project No. EM1425, September 2002

Figure 4
1,1,1-Trichloroethane

Fischback and Moore VCA Site
Brighton, NY

004319

ATTACHMENT 4
Marcor Shipping Order

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

COPY

Shipper's No. _____

(Carrier) Mercer Remediation Inc. SCAC. _____ Carrier's No. MR-023

Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:

at _____, date 9/25/02 from _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM:
Consignee Industrial Oil	Shipper Fishback + Moore Electric
Street 120 Dry Rd.	Street 235 Metro Park
Destination Orishany, NY Zip 13424	Origin Rochester, NY Zip [illegible]
Route: 90E to Orishany	Passero Associates
Delivering Carrier Mercer Remediation	Trailer Initial/Number
	U.S. DOT Haz. Reg. Number

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (or exemption)	Check column
3		RQ - Gasoline	3	UN1203	II	165	Gal	Flammable Liquid	
3		RQ - Diesel Fuel	3	NA1993	III	165	Gal	Flammable Liquid	
1		Pumpstone impacted with Gasoline	3	UN1203	II	[illegible]	[illegible]	Flammable solid	
		TOTSC - Brett D. Field			9/25/02				
		Job #: 51-02880-027							
		PO: 21721							

Remit C.O.D. to:
Address:
City: State: Zip:

COD AMT: $

Charges Advanced $

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of consignor)

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☑ Prepaid ☐ Collect

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". Note. – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby _____ per _____ specifically stated by the shipper to be not exceeding

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."

by _____

PLACARDS REQUIRED: Flammable PLACARDS SUPPLIED: ☑ YES ☐ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE:

SPECIAL INSTRUCTIONS:

SHIPPER: _____ PER: _____ DATE: _____

CARRIER: Mercer Remediation PER: Dave Brock DATE: 9/25/02

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 358-5433
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

Permanent post office address of shipper

29-BLS-C3 (Rev. 6/95)

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

004321

ATTACHMENT 5
Staged Soil
Waste Characterization

Waste Characterization
Staged Soils

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Passero Associates

Client Job Site:	Fischbach & Moore	Lab Project Number:	02-2600
		Lab Sample Number:	10153
Client Job Number:	20121.10	Date Sampled:	10/10/2002
Field Location:	Staged Soil	Date Received:	10/10/2002
Field ID Number:	N/A	Date Analyzed:	10/15/2002
Sample Type:	Soil		

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 5.95
Bromomethane	ND< 5.95
Bromoform	ND< 5.95
Carbon tetrachloride	ND< 5.95
Chloroethane	ND< 5.95
Chloromethane	ND< 5.95
2-Chloroethyl vinyl ether	ND< 5.95
Chloroform	ND< 5.95
Dibromochloromethane	ND< 5.95
1,1-Dichloroethane	ND< 5.95
1,2-Dichloroethane	ND< 5.95
1,1-Dichloroethene	ND< 5.95
cis-1,2-Dichloroethene	ND< 5.95
trans-1,2-Dichloroethene	ND< 5.95
1,2-Dichloropropane	ND< 5.95
cis-1,3-Dichloropropene	ND< 5.95
trans-1,3-Dichloropropene	ND< 14.9
Methylene chloride	ND< 5.95
1,1,2,2-Tetrachloroethane	ND< 5.95
Tetrachloroethene	ND< 5.95
1,1,1-Trichloroethane	ND< 5.95
1,1,2-Trichloroethane	ND< 5.95
Trichloroethene	ND< 5.95
Trichlorofluoromethane	ND< 5.95
Vinyl Chloride	

Aromatics	Results in ug / Kg
Benzene	ND< 5.95
Chlorobenzene	ND< 5.95
Ethylbenzene	131
Toluene	107
m,p - Xylene	630
o - Xylene	251
Styrene	ND< 5.95
1,2-Dichlorobenzene	ND< 5.95
1,3-Dichlorobenzene	ND< 5.95
1,4-Dichlorobenzene	ND< 5.95

Ketones	Results in ug / Kg
Acetone	ND< 29.8
2-Butanone	ND< 14.9
2-Hexanone	ND< 14.9
4-Methyl-2-pentanone	ND< 14.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 14.9
Vinyl acetate	ND< 14.9

ELAP Number 10958 Method: EPA 8260B Data File: 62249.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: [signature] Technical Director

File ID: 022600V2.7

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for TCLP Extract

Client: Passero Associates

Client Job Site:	Fischbach & Moore	**Lab Project Number:**	02-2600
		Lab Sample Number:	10153
Client Job Number:	20121.10		
Field Location:	Staged Soil	**Date Sampled:**	10/10/2002
Field ID Number:	N/A	**Date Received:**	10/10/2002
Sample Type:	TCLP Extract	**Date Analyzed:**	10/15/2002

TCLP Analytes	Results in ug / L	Regulatory Limits in ug / L
Benzene	ND< 20.0	500
2-Butanone	ND< 50.0	200,000
Carbon tetrachloride	ND< 20.0	500
Chlorobenzene	ND< 20.0	100,000
Chloroform	ND< 20.0	6,000
1,2-Dichloroethane	ND< 20.0	500
1,1-Dichloroethene	ND< 20.0	700
Tetrachloroethene	ND< 20.0	700
Trichloroethene	ND< 20.0	500
Vinyl Chloride	ND< 20.0	200

ELAP Number 10958 Method: EPA 8260B Data File: 62248.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

File ID: 022600V1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for TCLP Extract

Client: Passero Associates

Client Job Site:	Fischbach & Moore	Lab Project Number:	02-2600
		Lab Sample Number:	10153
Client Job Number:	20121.10	Date Sampled:	10/10/2002
Field Location:	Staged Soil	Date Received:	10/10/2002
Field ID Number:	N/A	Date Analyzed:	10/16/2002
Sample Type:	TCLP Extract		

Base / Neutrals	Results in ug / L	Regulatory Limits in ug / L
1,4-Dichlorobenzene	ND< 40.0	7,500
2,4-Dinitrotoluene	ND< 40.0	130
Hexachlorobenzene	ND< 40.0	3,000
Hexachlorobutadiene	ND< 40.0	500
Hexachloroethane	ND< 40.0	130
Nitrobenzene	ND< 40.0	2,000
Pyridine	ND< 40.0	5,000

Acids	Results in ug / L	Regulatory Limits in ug / L
Cresols (as m,p,o-Cresol)	ND< 80.0	200,000
Pentachlorophenol	ND< 100	100,000
2,4,5-Trichlorophenol	ND< 100	400,000
2,4,6-Trichlorophenol	ND< 40.0	2,000

ELAP Number 10958 Method: EPA 8270C Data File: 9000.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____ Technical Director

File ID: 022600S1X

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Passero Associates
Client Job Site: Fischbach & Moore
Client Job No.: 2/1/55
Field Location: Staged Soil
Field ID No.: N/A

Lab Project No.: 02-2600
Lab Sample No.: 10153
Sample Type: TCLP Extract
Date Sampled: 10/10/2002
Date Received: 10/10/2002

Laboratory Report for TCLP Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
TCLP Metal Series				
Arsenic	10/14/2002	EPA 6010	<0.100	5.0
Barium	10/14/2002	EPA 6010	0.282	100.0
Cadmium	10/14/2002	EPA 6010	<0.025	1.0
Chromium	10/14/2002	EPA 6010	<0.050	5.0
Lead	10/14/2002	EPA 6010	<0.100	5.0
Mercury	10/15/2002	EPA 7470	<0.002	0.2
Selenium	10/14/2002	EPA 6010	<0.100	1.0
Silver	10/14/2002	EPA 6010	<0.050	5.0

ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

File ID:022600.xls

Chain of Custody provides additional sample information.

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Passero Associates

Client Job Site:	Fischbach & Moore	Lab Project Number:	02-2600
		Lab Sample Number:	10153
Client Job Number:	20121.10	Date Sampled:	10/10/2002
Field Location:	Staged Soil	Date Received:	10/10/2002
Field ID Number:	N/A	Date Analyzed:	10/17/2002
Sample Type:	Soil		

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.334
Aroclor 1221	ND< 0.334
Aroclor 1232	ND< 0.334
Aroclor 1242	ND< 0.334
Aroclor 1248	ND< 0.334
Aroclor 1254	ND< 0.334
Aroclor 1260	ND< 0.334

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: Bruce Hoogesteger: Technical Director

File ID: 022600P1.XLS

ATTACHMENT 6
Chains of Custody

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: 1
SUBMISSION R2213752
CLIENT: Passero Associates, PC
CLIENT REP: Janice Jaeger
PROJECT: FISCHBACH & MOORE VCA PR

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y___ N__x__
DATE: 09/17/02
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 10/15/02
PROTOCOL: CLP
SHIPPING No.:
SUMMARY PKG: Y__x__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
584586	PIT BOTTOM W	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584587	PIT BOTTOM E	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584588	PIT WALL NW	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584589	PIT WALL NE	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584590	PIT WALL SW	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584591	PIT WALL SE	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584592	PIT WEST WALL	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584593	PIT EAST WALL	SOIL	VOA,SVOA,PB	9/16/02	9/17/02			
584594QC	1	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584595	2	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584596	3	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584597	4	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584598	5	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584599	6	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584600	7	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584601	8	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584602	9	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584603	10	SOIL	VOA,SVOA,PEST,PCB.TAL MET,CI	9/17/02	9/17/02			
584604	COOLER BLANK	WATER	VOA		9/17/02			

CT

9/17/02

004329

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: SS-1-0-1'
SUBMISSION R2214243
CLIENT: Passero Associates, PC
CLIENT REP: Janice Jaeger
PROJECT: FISCHBACH & MOORE VCA PR

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y___ N__x__
DATE: 10/16/02
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 11/13/02
PROTOCOL: ASP-B
SHIPPING No.:
SUMMARY PKG: Y_x___ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
		WATER	VOA	10/15/02	10/16/02			
593718	COOLER BLANK	SOIL	VOA,SVOA,PEST,PCB*	10/15/02	10/16/02			
593719QC	SS-1-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593720	SS-2-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593721	SS-3-1-2'	SOIL	VOA,PCB	10/15/02	10/16/02			
593722	SS-4-0-1'	SOIL	VOA,SVOA,PEST,PCB*	10/15/02	10/16/02			
593723	SS-5-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593724	SS-6-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593725	SS-7-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593726	SS-8-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593727	SS-9-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593728	SS-10-0-1'	SOIL	VOA,PCB	10/15/02	10/16/02			
593729	SS-11-1-2'							
			*TAL MET,CN					

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: BH-1-4-6'
SUBMISSION R2214156
CLIENT: Passero Associates, PC
CLIENT REP: Janice Jaeger
PROJECT: FISCHBACH & MOORE VCA PR

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y___ N__x__
DATE: 10/10/02
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 11/07/02
PROTOCOL: ASP-B
SHIPPING No.:
SUMMARY PKG: Y__X__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITIO
591499	COOLER BLANK	WATER	ASP VOA,SVOA,PEST,PCB*	10/8/02	10/9/02			
591506	BH9-19-22'	SOIL	ASP VOA,PCB	10/8/02	10/9/02			
591507QC	BH8-8-11'	SOIL	ASP VOA,PCB	10/8/02	10/9/02			
591508	BH7-11-15'	SOIL	ASP VOA,PCB	10/8/02	10/9/02			
591509	BH6-12-13'	SOIL	ASP VOA,PCB	10/8/02	10/9/02			
591510	BH5-4-5'	SOIL	ASP VOA,PCB	10/8/02	10/9/02			
591511	BH4-11-12'	SOIL	ASP VOA,SVOA,PEST,PCB*	10/8/02	10/9/02			
591515	BH3-12-14'	SOIL	ASP VOA.PCB	10/8/02	10/9/02			
591516	BH2-4-6'	SOIL	ASP VOA.PCB	10/8/02	10/9/02			
591517	BH1-4-6'	SOIL	ASP VOA.PCB	10/9/02	10/10/02			
591876	BH10-10-11'	SOIL	ASP VOA.PCB	10/9/02	10/10/02			
591877	BH11-4-5'	SOIL	ASP VOA.PCB	10/9/02	10/10/02			
591878	BH12-8-9'	SOIL	ASP VOA.PCB	10/9/02	10/10/02			
591879	BH13-19-20'	SOIL	ASP VOA,SVOA,PEST,PCB*	10/9/02	10/10/02			
591884	BH14-4-5'	SOIL	ASP VOA,PCB	10/9/02	10/10/02			
591890	BH15-29-30'	SOIL	ASP VOA,SVOA,PEST,PCB*	10/9/02	10/10/02			
591897	BH16-4-5'	SOIL	ASP VOA,PCB	10/9/02	10/10/02			
591898	BH17-3-4'	SOIL	ASP VOA,PCB	10/9/02	10/10/02			
591900	BH18-3-4'							
			*TAL MET,CN					

004331

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: BH19-3-4'	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2214177	DISKETTE REQUESTED: Y___ N__x__	DATE DUE: 11/07/02
CLIENT: Passero Associates, PC	DATE: 10/10/02	PROTOCOL: ASP-B
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: FISCHBACH & MOORE VCA PR	CHAIN OF CUSTODY: PRESENT/ABSENT:	SUMMARY PKG: Y_X___ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
591914QC	BH19-3-4'	SOIL	ASPVOA,SVOA,PEST,PCB*	10/9/02	10/10/02			
591915	BH20-3-4'	SOIL	ASP VOA,PCB	10/9/02	10/10/02			
591916	BB21-4-5'	SOIL	ASPVOA	10/9/02	10/10/02			
591917	COOLER BLANK	WATER	~~95-1, 95-2~~ ASPVOA	10/10/02	10/10/02			
592182	BH-22-4-5'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592183	BH-23-11-12'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592184	BH-24-3-4'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592185	BH-25-2-3'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592186	BH-26-2-3'	SOIL	ASP VOA	10/10/02	10/10/02			
592187	BH-26-7-8'	SOIL	ASP VOA,SVOA,PEST,PCB*	10/10/02	10/10/02			
592188	BH-26-9-10'	SOIL	ASP VOA	10/10/02	10/10/02			
592192	BH-27-1-2'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592202	BH-28-2-3'	SOIL	ASP VOA,SVOA,PEST,PCB*	10/10/02	10/10/02			
592212	BH-29-1-2'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
592214	BH-30-5-6'	SOIL	ASP VOA,PCB	10/10/02	10/10/02			
			*TAL MET,CN					

ATTACHMENT 5
Staged Soil
Waste Characterization

ATTACHMENT 7
Groundwater Data

Groundwater

SVOC

June '03

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646916 0.98

Sample wt/vol: 1020 (g/ml) ML Lab File ID: AD434.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U

KM Joplin 1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646916 0.98

Sample wt/vol: 1020 (g/ml) ML Lab File ID: AD434.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	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 5	JB U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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 8	JB 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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	3	J
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

KR Bagley 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646916 0.98

Sample wt/vol: 1020 (g/ml) ML Lab File ID: AD434.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: decanted: (Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.27	~~4~~	~~J B~~ R
2.	unknown	4.34	~~3~~	~~J B~~ R
3.	unknown	4.38	2	J
4.	unknown	8.20	3	J
5. 000057-10-3	n-Hexadecanoic acid	15.15	2	JN
6.	unknown	18.29	32	J
7.	unknown	18.47	11	J
8.	unknown	18.56	68	J
9.	unknown	21.69	3	J B

KP Koplin
11/2/04

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 1.02

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD427.D

Level: (low/med) LOW Date Received: 6/5/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U
51-28-5	2,4-Dinitrophenol	26	~~U~~ UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	26	U

ICR 1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: ______ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 1.02

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD427.D

Level: (low/med) LOW Date Received: 6/5/03

% Moisture: ______ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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

CAS NO.	COMPOUND	UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	~~8~~ 10	~~JB~~ U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	98 ~~110~~	~~E~~ *
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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	J
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

* use diluted result

KR Appler
1/9/04

FORM I SV-2 3/90

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 1.02

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD427.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.28	~~2~~	~~J B~~	R
2.	unknown	8.21	3	J	
3.	unknown	9.53	2	J	
4. 000057-10-3	n-Hexadecanoic acid	15.16	3	JN	
5.	unknown	16.20	2	J	
6.	unknown	17.32	6	J	
7.	unknown	17.74	~~18~~	~~J B~~	R
8.	unknown	17.80	~~36~~	~~J B~~	R
9.	unknown	18.30	2	J	
10.	unknown	18.64	28	J B	
11.	unknown	18.88	2	J	
12.	unknown	19.23	~~8~~	~~J B~~	R
13.	unknown	19.28	~~16~~	~~J B~~	R
14. 055268-69-4	Hexadecanoic acid, 2-(acetyloxy)	20.62	~~4~~	~~JN B~~	R
15.	unknown	20.68	~~8~~	~~J B~~	R
16.	unknown	21.65	4	J	
17.	unknown amide	21.72	~~20~~	~~J B~~	R
18.	unknown	21.80	3	J	
19.	unknown acid	22.18	~~5~~	~~J B~~	R
20.	unknown	22.24	~~10~~	~~J B~~	R
21.	unknown	25.57	2	J	

KW Byerly
1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: ______ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 2.04

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD443.D

Level: (low/med) LOW Date Received: 6/5/03

% Moisture: ______ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	20	U
111-44-4	bis(-2-Chloroethyl)Ether	20	U
95-57-8	2-Chlorophenol	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
95-48-7	2-Methylphenol	20	U
621-24-7	N-Nitroso-Di-n-propylamine	20	U
67-72-1	Hexachloroethane	20	U
106-44-5	4-Methylphenol	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
111-91-1	bis(-2-Chloroethoxy)Methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	51	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	51	U
208-96-8	Acenaphthylene	20	U
131-11-3	Dimethyl Phthalate	20	U
606-20-2	2,6-Dinitrotoluene	20	U
83-32-9	Acenaphthene	20	U
99-09-2	3-Nitroaniline	51	U
51-28-5	2,4-Dinitrophenol	51	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	20	U
100-02-7	4-Nitrophenol	51	U

KAN 1/13/04

FORM I SV-1 3/90

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 2.04

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD443.D

Level: (low/med) LOW Date Received: 6/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0 DO NOT USE

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	20	U
7005-72-3	4-Chlorophenyl-phenylether	20	U
84-66-2	Diethylphthalate	20	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
87-86-5	Pentachlorophenol	51	U
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
86-74-8	Carbazole	20	U
84-74-2	Di-n-Butylphthalate	6	JBD
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butyl benzyl phthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	20	U
218-01-9	Chrysene	20	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	98	D
117-84-0	Di-n-octyl phthalate	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)Fluoranthene	20	U
50-32-8	Benzo(a)Pyrene	20	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20	U
53-70-3	Dibenz(a,h)anthracene	20	U
191-24-2	Benzo(g,h,i)Perylene	20	U
100-52-7	Benzaldehyde	20	U
98-86-2	Acetophenone	20	U
105-60-2	Caprolactam	23	JD
92-52-4	Biphenyl	20	U
1912-24-9	Atrazine	20	U
024624-29-1	2-Ethylanthroquinone	20	U

KLA 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-2 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646633 2.04

Sample wt/vol: 980 (g/ml) ML Lab File ID: AD443.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	17.31	6	JD
2.	unknown	17.72	20	JD B
3.	unknown	17.78	40	JD B
4. 000301-02-0	9-Octadecenamide, (Z)-	18.62	26	JND B
5.	unknown myristin	19.21	8	JD B
6. 014473-55-3	Myristin, 2,3-diaceto-1-	19.26	16	JND B
7.	unknown acid	20.66	8	JD B
8.	unknown	21.70	13	JD B
9.	unknown	22.16	4	JD B
10.	unknown	22.22	9	JD B

1/9/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646914 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD430.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	24	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	24	U

1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646914 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD430.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	9 4	JBU
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	70	
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	1	J
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U
024624-29-1	2-Ethylanthroquinone	9	U

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646914 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD430.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	18.62	~~9~~	~~J,B~~	R
2.	unknown	21.70	~~4~~	~~J,B~~	R

KAB 1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646915 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AD431.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	4	J
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	~~U~~ UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U

1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646915 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AD431.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	10.6	JB U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	10.4	JB 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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	1	J
105-60-2	Caprolactam	71	
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

KLB 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: ____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646915 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AD431.D

Level: (low/med) LOW Date Received: 06/05/03

% Moisture: ____ decanted: (Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/12/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.27	~~2~~	~~J B~~ R
2.	unknown alcohol	5.42	6	J
3.	unknown alcohol	6.61	2	J
4. 000124-07-2	Octanoic Acid	7.30	4	JN
5. 000112-05-0	Nonanoic acid	8.24	6	JN
6.	unknown	8.54	4	J
7.	unknown	8.85	3	J
8. 000334-48-5	n-Decanoic acid	9.22	4	JN
9.	unknown	9.52	2	J
10. 000621-59-0	Benzaldehyde, 3-hydroxy-4-meth	9.92	2	JN
11.	unknown	11.17	2	J
12. 000143-07-7	Dodecanoic acid	11.28	2	JN
13. 015687-27-1	Ibuprofen	12.02	2	JN
14.	unknown	13.27	4	J
15. 000057-10-3	n-Hexadecanoic acid	15.15	2	JN
16.	unknown	18.17	5	J
17.	unknown	18.42	77	J
18.	unknown	18.64	~~15~~	~~J B~~ R
19.	unknown	21.70	~~6~~	~~J B~~ R

KABopple
1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD425.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	24	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	UJ
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	24	U

KR 1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD425.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	~~9~~ 8	JB
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	120 ~~140~~	~~E~~ * J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U
024624-29-1	2-Ethylanthroquinone	9	U

* use diluted result

KB Joplin 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD425.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.27	~~2~~	~~J B~~	R
2.	unknown	9.53	2	J	
3. 000143-07-7	Dodecanoic acid	11.29	2	JN	
4. 000544-63-8	Tetradecanoic acid	13.29	3	JN	
5. 001610-18-0	Prometon	13.32	3	JN	
6.	unknown	15.02	2	J	
7. 000057-10-3	n-Hexadecanoic acid	15.17	7	JN	
8.	unknown	16.20	2	J	
9.	unknown	16.75	3	J	
10. 000057-11-4	Octadecanoic acid	16.91	4	JN	
11.	unknown	17.33	5	J	
12.	unknown	17.74	~~48~~	~~J B~~	R
13.	unknown	17.80	~~35~~	~~J B~~	R
14.	unknown amide	18.65	~~18~~	~~J B~~	R
15.	unknown	18.89	2	J	
16.	unknown myristin	19.22	~~8~~	~~J B~~	R
17. 014473-55-3	Myristin, 2,3-diaceto-1-	19.28	~~15~~	~~JN B~~	R
18.	unknown acid	20.62	~~4~~	~~J B~~	R
19.	unknown	20.68	~~9~~	~~J B~~	R
20.	unknown	21.65	4	J	
21.	unknown	21.73	~~16~~	~~J B~~	R
22.	unknown	21.79	3	J	
23. 000111-02-4	2,6,10,14,18,22-Tetracosahexae	21.92	15	JN	
24.	unknown acid	22.18	~~5~~	~~J B~~	R
25.	unknown	22.24	~~10~~	~~J B~~	R
26.	unknown	25.56	3	J	

1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 2.83

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD441.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	28	U
111-44-4	bis(-2-Chloroethyl)Ether	28	U
95-57-8	2-Chlorophenol	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
108-60-1	2,2'-oxybis(1-Chloropropane)	28	U
95-48-7	2-Methylphenol	28	U
621-24-7	N-Nitroso-Di-n-propylamine	28	U
67-72-1	Hexachloroethane	28	U
106-44-5	4-Methylphenol	28	U
98-95-3	Nitrobenzene	28	U
78-59-1	Isophorone	28	U
88-75-5	2-Nitrophenol	28	U
105-67-9	2,4-Dimethylphenol	28	U
111-91-1	bis(-2-Chloroethoxy)Methane	28	U
120-83-2	2,4-Dichlorophenol	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
91-20-3	Naphthalene	28	U
106-47-8	4-Chloroaniline	28	U
87-68-3	Hexachlorobutadiene	28	U
59-50-7	4-Chloro-3-methylphenol	28	U
91-57-6	2-Methylnaphthalene	28	U
77-47-4	Hexachlorocyclopentadiene	28	U
88-06-2	2,4,6-Trichlorophenol	28	U
95-95-4	2,4,5-Trichlorophenol	71	U
91-58-7	2-Chloronaphthalene	28	U
88-74-4	2-Nitroaniline	71	U
208-96-8	Acenaphthylene	28	U
131-11-3	Dimethyl Phthalate	28	U
606-20-2	2,6-Dinitrotoluene	28	U
83-32-9	Acenaphthene	28	U
99-09-2	3-Nitroaniline	71	U
51-28-5	2,4-Dinitrophenol	71	U
132-64-9	Dibenzofuran	28	U
121-14-2	2,4-Dinitrotoluene	28	U
100-02-7	4-Nitrophenol	71	U

1/9/04

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-4S DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 2.83

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD441.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	28	U
7005-72-3	4-Chlorophenyl-phenylether	28	U
84-66-2	Diethylphthalate	28	U
100-01-6	4-Nitroaniline	71	U
534-52-1	4,6-Dinitro-2-methylphenol	71	U
86-30-6	N-Nitrosodiphenylamine	28	U
101-55-3	4-Bromophenyl-phenylether	28	U
118-74-1	Hexachlorobenzene	28	U
87-86-5	Pentachlorophenol	71	U
85-01-8	Phenanthrene	28	U
120-12-7	Anthracene	28	U
86-74-8	Carbazole	28	U
84-74-2	Di-n-Butylphthalate	8	JBD
206-44-0	Fluoranthene	28	U
129-00-0	Pyrene	28	U
85-68-7	Butyl benzyl phthalate	28	U
91-94-1	3,3'-Dichlorobenzidine	28	U
56-55-3	Benzo(a)Anthracene	28	U
218-01-9	Chrysene	28	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	120	D
117-84-0	Di-n-octyl phthalate	28	U
205-99-2	Benzo(b)fluoranthene	28	U
207-08-9	Benzo(k)Fluoranthene	28	U
50-32-8	Benzo(a)Pyrene	28	U
193-39-5	Indeno(1,2,3-cd)Pyrene	28	U
53-70-3	Dibenz(a,h)anthracene	28	U
191-24-2	Benzo(g,h,i)Perylene	28	U
100-52-7	Benzaldehyde	28	U
98-86-2	Acetophenone	28	U
105-60-2	Caprolactam	71	U
92-52-4	Biphenyl	28	U
1912-24-9	Atrazine	28	U
024624-29-1	2-Ethylanthroquinone	28	U

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4S DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646211 2.83

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD441.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	n-Hexadecanoic acid	15.15	7	JND
2.	unknown	17.32	6	JD
3.	unknown	17.72	21	JDB
4.	unknown	17.78	40	JDB
5.	unknown amide	18.63	21	JDB
6. 014290-23-4	Myristin, 1,3-diaceto-2-	19.21	10	JNDB
7. 014473-55-3	Myristin, 2,3-diaceto-1-	19.26	17	JNDB
8.	unknown	20.66	9	JDB
9.	unknown	21.70	11	JDB
10. 007683-64-9	Squalene	21.90	14	JND
11.	unknown	22.22	10	JDB

KR Applin
1/9/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 0.97

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD426.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	~~U~~ UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U

1/12/04

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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 0.97

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD426.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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~~ 9	JB U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	260 ~~350~~	E * 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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

* use diluted result

KM Hopkins 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

DUP

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 0.97

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD426.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 27 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.27	~~2~~	~~J B~~	R
2.	unknown	9.52	2	J	
3. 000143-07-7	Dodecanoic acid	11.28	2	JN	
4. 001610-18-0	Prometon	13.30	5	JN	
5.	unknown	14.96	2	J	
6. 000057-10-3	n-Hexadecanoic acid	15.16	5	JN	
7.	unknown	16.19	2	J	
8.	unknown	16.32	2	J	
9.	unknown	16.74	4	J	
10. 000057-11-4	Octadecanoic acid	16.90	4	JN	
11.	unknown	17.03	2	J	
12.	unknown	17.32	7	J	
13.	unknown	17.73	~~23~~	~~J B~~	R
14.	unknown	17.79	~~46~~	~~J B~~	R
15. 000301-02-0	9-Octadecenamide, (Z)-	18.64	~~29~~	~~JN B~~	R
16.	unknown	18.88	3	J	
17.	unknown	19.21	~~10~~	~~J B~~	R
18. 014473-55-3	Myristin, 2,3-diaceto-1-	19.27	~~20~~	~~JN B~~	R
19.	unknown acid	20.61	~~6~~	~~J B~~	R
20.	unknown	20.67	~~12~~	~~J B~~	R
21.	unknown	21.64	5	J	
22.	unknown amide	21.72	~~27~~	~~J B~~	R
23.	unknown	21.79	4	J	
24.	unknown	21.87	2	J	
25. 055401-62-2	Octadecanoic acid, 2-(acetyloxy)	22.17	~~6~~	~~JN B~~	R
26.	unknown	22.23	~~12~~	~~J B~~	R
27.	unknown	25.55	4	J	

1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 4.85

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD451.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	49	U
111-44-4	bis(-2-Chloroethyl)Ether	49	U
95-57-8	2-Chlorophenol	49	U
541-73-1	1,3-Dichlorobenzene	49	U
106-46-7	1,4-Dichlorobenzene	49	U
95-50-1	1,2-Dichlorobenzene	49	U
108-60-1	2,2'-oxybis(1-Chloropropane)	49	U
95-48-7	2-Methylphenol	49	U
621-24-7	N-Nitroso-Di-n-propylamine	49	U
67-72-1	Hexachloroethane	49	U
106-44-5	4-Methylphenol	49	U
98-95-3	Nitrobenzene	49	U
78-59-1	Isophorone	49	U
88-75-5	2-Nitrophenol	49	U
105-67-9	2,4-Dimethylphenol	49	U
111-91-1	bis(-2-Chloroethoxy)Methane	49	U
120-83-2	2,4-Dichlorophenol	49	U
120-82-1	1,2,4-Trichlorobenzene	49	U
91-20-3	Naphthalene	49	U
106-47-8	4-Chloroaniline	49	U
87-68-3	Hexachlorobutadiene	49	U
59-50-7	4-Chloro-3-methylphenol	49	U
91-57-6	2-Methylnaphthalene	49	U
77-47-4	Hexachlorocyclopentadiene	49	U
88-06-2	2,4,6-Trichlorophenol	49	U
95-95-4	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	49	U
88-74-4	2-Nitroaniline	120	U
208-96-8	Acenaphthylene	49	U
131-11-3	Dimethyl Phthalate	49	U
606-20-2	2,6-Dinitrotoluene	49	U
83-32-9	Acenaphthene	49	U
99-09-2	3-Nitroaniline	120	U
51-28-5	2,4-Dinitrophenol	120	U
132-64-9	Dibenzofuran	49	U
121-14-2	2,4-Dinitrotoluene	49	U
100-02-7	4-Nitrophenol	120	U

KR Oppler 1/9/04

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 4.85

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD451.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	49	U
7005-72-3	4-Chlorophenyl-phenylether	49	U
84-66-2	Diethylphthalate	49	U
100-01-6	4-Nitroaniline	120	U
534-52-1	4,6-Dinitro-2-methylphenol	120	U
86-30-6	N-Nitrosodiphenylamine	49	U
101-55-3	4-Bromophenyl-phenylether	49	U
118-74-1	Hexachlorobenzene	49	U
87-86-5	Pentachlorophenol	120	U
85-01-8	Phenanthrene	49	U
120-12-7	Anthracene	49	U
86-74-8	Carbazole	49	U
84-74-2	Di-n-Butylphthalate	8	JBD
206-44-0	Fluoranthene	49	U
129-00-0	Pyrene	49	U
85-68-7	Butyl benzyl phthalate	49	U
91-94-1	3,3'-Dichlorobenzidine	49	U
56-55-3	Benzo(a)Anthracene	49	U
218-01-9	Chrysene	49	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	260	D
117-84-0	Di-n-octyl phthalate	49	U
205-99-2	Benzo(b)fluoranthene	49	U
207-08-9	Benzo(k)Fluoranthene	49	U
50-32-8	Benzo(a)Pyrene	49	U
193-39-5	Indeno(1,2,3-cd)Pyrene	49	U
53-70-3	Dibenz(a,h)anthracene	49	U
191-24-2	Benzo(g,h,i)Perylene	49	U
100-52-7	Benzaldehyde	49	U
98-86-2	Acetophenone	49	U
105-60-2	Caprolactam	120	U
92-52-4	Biphenyl	49	U
1912-24-9	Atrazine	49	U
024624-29-1	2-Ethylanthroquinone	49	U

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646212 4.85

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD451.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	17.74	26	JD B
2.	unknown	17.79	51	JD B
3.	unknown amide	18.64	26	JD B
4. 014290-23-4	Myristin, 1,3-diaceto-2-	19.22	11	JND B
5. 014473-55-3	Myristin, 2,3-diaceto-1-	19.28	21	JND B
6.	unknown acid	20.68	11	JD B
7.	unknown	21.72	13	JD B
8.	unknown	22.24	12	JD

KEB 1/9/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 0.95

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD424.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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 OK
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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U

CW Reviewed 1/12/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: ____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 0.95

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD424.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: ____ decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

USE these Data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	1	J
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	11	B U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	98 ~~110~~	E *
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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	4	J
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

* use diluted sample result

KMH 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

MW-5

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: ____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 0.95

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD424.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: ____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/11/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	7.32	3	J	
2.	unknown	8.22	5	J	
3.	unknown	8.87	3	J	
4.	unknown	9.14	3	J	
5.	unknown	9.97	3	J	
6.	unknown	10.12	3	J	
7.	unknown	11.18	4	J	
8.	unknown	13.27	12	J	
9.	unknown	14.29	6	J	
10.	unknown	14.32	4	J	
11.	unknown	14.54	4	J	
12. 000057-10-3	n-Hexadecanoic acid	15.17	6	JN	
13.	unknown	15.39	2	J	
14.	unknown	16.20	3	J	
15.	unknown	17.33	7	J	
16. 000080-05-7	Phenol, 4,4'-(1-methylethylidene)	17.41	4	JN	
17.	unknown	17.74	~~20~~	~~J B~~	R
18.	unknown	17.80	~~40~~	~~J B~~	R
19.	unknown	18.20	5	J	
20.	unknown amide	18.64	~~18~~	~~J B~~	R
21.	unknown	19.23	~~9~~	~~J B~~	R
22.	unknown	19.28	~~17~~	~~J B~~	R
23. 055268-69-4	Hexadecanoic acid, 2-(acetyloxy)	20.62	~~4~~	~~JN B~~	R
24. 055268-70-7	Hexadecanoic acid, 2,3-bis(acety	20.68	~~9~~	~~JN B~~	R
25.	unknown	21.65	4	J	
26.	unknown	21.72	~~44~~	~~J B~~	R
27.	unknown	21.80	3	J	
28. 000111-02-4	2,6,10,14,18,22-Tetracosahexae	21.92	6	JN	
29. 055401-62-2	Octadecanoic acid, 2-(acetyloxy)	22.18	~~5~~	~~JN B~~	R
30.	unknown	22.24	~~10~~	~~J B~~	R

KK Applee 1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 1.90

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD440.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	19	U
111-44-4	bis(-2-Chloroethyl)Ether	19	U
95-57-8	2-Chlorophenol	19	U
541-73-1	1,3-Dichlorobenzene	19	U
106-46-7	1,4-Dichlorobenzene	19	U
95-50-1	1,2-Dichlorobenzene	19	U
108-60-1	2,2'-oxybis(1-Chloropropane)	19	U
95-48-7	2-Methylphenol	19	U
621-24-7	N-Nitroso-Di-n-propylamine	19	U
67-72-1	Hexachloroethane	19	U
106-44-5	4-Methylphenol	19	U
98-95-3	Nitrobenzene	19	U
78-59-1	Isophorone	19	U
88-75-5	2-Nitrophenol	19	U
105-67-9	2,4-Dimethylphenol	19	U
111-91-1	bis(-2-Chloroethoxy)Methane	19	U
120-83-2	2,4-Dichlorophenol	19	U
120-82-1	1,2,4-Trichlorobenzene	19	U
91-20-3	Naphthalene	19	U
106-47-8	4-Chloroaniline	19	U
87-68-3	Hexachlorobutadiene	19	U
59-50-7	4-Chloro-3-methylphenol	19	U
91-57-6	2-Methylnaphthalene	19	U
77-47-4	Hexachlorocyclopentadiene	19	U
88-06-2	2,4,6-Trichlorophenol	19	U
95-95-4	2,4,5-Trichlorophenol	48	U
91-58-7	2-Chloronaphthalene	19	U
88-74-4	2-Nitroaniline	48	U
208-96-8	Acenaphthylene	19	U
131-11-3	Dimethyl Phthalate	19	U
606-20-2	2,6-Dinitrotoluene	19	U
83-32-9	Acenaphthene	19	U
99-09-2	3-Nitroaniline	48	U
51-28-5	2,4-Dinitrophenol	48	U
132-64-9	Dibenzofuran	19	U
121-14-2	2,4-Dinitrotoluene	19	U
100-02-7	4-Nitrophenol	48	U

1/9/04

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-5 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 1.90

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD440.D

Level: (low/med) LOW Date Received: 6/3/03

% Moisture: decanted:(Y/N) N Date Extracted: 6/5/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	19	U
7005-72-3	4-Chlorophenyl-phenylether	19	U
84-66-2	Diethylphthalate	19	U
100-01-6	4-Nitroaniline	48	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
86-30-6	N-Nitrosodiphenylamine	19	U
101-55-3	4-Bromophenyl-phenylether	19	U
118-74-1	Hexachlorobenzene	19	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	19	U
120-12-7	Anthracene	19	U
86-74-8	Carbazole	19	U
84-74-2	Di-n-Butylphthalate	11	JBD
206-44-0	Fluoranthene	19	U
129-00-0	Pyrene	19	U
85-68-7	Butyl benzyl phthalate	19	U
91-94-1	3,3'-Dichlorobenzidine	19	U
56-55-3	Benzo(a)Anthracene	19	U
218-01-9	Chrysene	19	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	98	D
117-84-0	Di-n-octyl phthalate	19	U
205-99-2	Benzo(b)fluoranthene	19	U
207-08-9	Benzo(k)Fluoranthene	19	U
50-32-8	Benzo(a)Pyrene	19	U
193-39-5	Indeno(1,2,3-cd)Pyrene	19	U
53-70-3	Dibenz(a,h)anthracene	19	U
191-24-2	Benzo(g,h,i)Perylene	19	U
100-52-7	Benzaldehyde	19	U
98-86-2	Acetophenone	19	U
105-60-2	Caprolactam	48	U
92-52-4	Biphenyl	19	U
1912-24-9	Atrazine	19	U
024624-29-1	2-Ethylanthroquinone	19	U

KC 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 646210 1.90

Sample wt/vol: 1050 (g/ml) ML Lab File ID: AD440.D

Level: (low/med) LOW Date Received: 06/03/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/05/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	11.17	5	JD
2.	unknown	13.26	13	JD
3.	unknown	14.28	6	JD
4.	unknown	14.32	4	JD
5. 000057-10-3	n-Hexadecanoic acid	15.16	6	JND
6.	unknown	17.32	7	JD
7. 000080-05-7	Phenol, 4,4'-(1-methylethylidene)	17.40	4	JND
8.	unknown	17.74	23	JDB
9.	unknown	17.79	44	JDB
10.	unknown	18.18	5	JD
11.	unknown amide	18.63	19	JDB
12. 014290-23-4	Myristin, 1,3-diaceto-2-	19.22	10	JNDB
13.	unknown myristin	19.27	19	JDB
14.	unknown acid	20.62	4	JDB
15.	unknown acid	20.67	8	JDB
16.	unknown amide	21.71	10	JDB
17.	unknown	21.92	4	JD
18.	unknown	22.17	5	JDB
19.	unknown	22.24	10	JDB

KLB 7/9/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647328 0.97

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD439.D

Level: (low/med) LOW Date Received: 06/06/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647328 0.97

Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD439.D

Level: (low/med) LOW Date Received: 06/06/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	B
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	4	J
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

1/6/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-6

Lab Name: CAS-ROCH Contract: PASSERO
Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S
Matrix: (soil/water) WATER Lab Sample ID: 647328 0.97
Sample wt/vol: 1030 (g/ml) ML Lab File ID: AD439.D
Level: (low/med) LOW Date Received: 06/06/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/10/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.28	~~4~~	~~J B~~	R
2.	unknown	4.35	~~4~~	~~J B~~	R
3.	unknown	4.39	~~3~~	~~J~~	R
4.	unknown alcohol	4.82	9	J	
5.	unknown	5.43	3	J	
6.	unknown	8.20	3	J	
7.	unknown	9.54	3	J	
8.	unknown	18.66	4	J B	

KAB 1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647678 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD447.D

Level: (low/med) LOW Date Received: 06/09/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	24	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	24	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647678 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD447.D

Level: (low/med) LOW Date Received: 06/09/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	1	J
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	9 4	JB U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	7	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	18	J
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U
024624-29-1	2-Ethylanthroquinone	9	U

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647678 0.94

Sample wt/vol: 1060 (g/ml) ML Lab File ID: AD447.D

Level: (low/med) LOW Date Received: 06/09/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8

CONCENTRATION UNITS:

Number TICs found: 9 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.27	~~4~~	~~J B~~ R
2.	unknown	4.34	~~3~~	~~J B~~ R
3.	unknown	4.39	~~2~~	~~J B~~ R
4.	unknown alcohol	4.81	3	J
5.	unknown	8.20	2	J
6.	unknown	9.52	2	J
7.	unknown	10.42	2	J
8.	unknown	11.99	3	J
9.	unknown	18.26	2	J

1/12/04

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD449.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	23	U
51-28-5	2,4-Dinitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	23	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD449.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	23	U
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	9 5	JB U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	2°/0 330	E *
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U
024624-29-1	2-Ethylanthroquinone	9	U

* use diluted sample result

KP 1/8/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD449.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.27	~~4~~	~~J B~~	R
2.	unknown	4.34	~~4~~	~~J B~~	R
3.	unknown	4.39	~~2~~	~~J B~~	R
4.	unknown	18.31	14	J	

1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 4.67

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD459.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	47	U
111-44-4	bis(-2-Chloroethyl)Ether	47	U
95-57-8	2-Chlorophenol	47	U
541-73-1	1,3-Dichlorobenzene	47	U
106-46-7	1,4-Dichlorobenzene	47	U
95-50-1	1,2-Dichlorobenzene	47	U
108-60-1	2,2'-oxybis(1-Chloropropane)	47	U
95-48-7	2-Methylphenol	47	U
621-24-7	N-Nitroso-Di-n-propylamine	47	U
67-72-1	Hexachloroethane	47	U
106-44-5	4-Methylphenol	47	U
98-95-3	Nitrobenzene	47	U
78-59-1	Isophorone	47	U
88-75-5	2-Nitrophenol	47	U
105-67-9	2,4-Dimethylphenol	47	U
111-91-1	bis(-2-Chloroethoxy)Methane	47	U
120-83-2	2,4-Dichlorophenol	47	U
120-82-1	1,2,4-Trichlorobenzene	47	U
91-20-3	Naphthalene	47	U
106-47-8	4-Chloroaniline	47	U
87-68-3	Hexachlorobutadiene	47	U
59-50-7	4-Chloro-3-methylphenol	47	U
91-57-6	2-Methylnaphthalene	47	U
77-47-4	Hexachlorocyclopentadiene	47	U
88-06-2	2,4,6-Trichlorophenol	47	U
95-95-4	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	47	U
88-74-4	2-Nitroaniline	120	U
208-96-8	Acenaphthylene	47	U
131-11-3	Dimethyl Phthalate	47	U
606-20-2	2,6-Dinitrotoluene	47	U
83-32-9	Acenaphthene	47	U
99-09-2	3-Nitroaniline	120	U
51-28-5	2,4-Dinitrophenol	120	U
132-64-9	Dibenzofuran	47	U
121-14-2	2,4-Dinitrotoluene	47	U
100-02-7	4-Nitrophenol	120	U

KA Boyle 1/9/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 4.67

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD459.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0 DO NOT USE

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	47	U
7005-72-3	4-Chlorophenyl-phenylether	47	U
84-66-2	Diethylphthalate	47	U
100-01-6	4-Nitroaniline	120	U
534-52-1	4,6-Dinitro-2-methylphenol	120	U
86-30-6	N-Nitrosodiphenylamine	47	U
101-55-3	4-Bromophenyl-phenylether	47	U
118-74-1	Hexachlorobenzene	47	U
87-86-5	Pentachlorophenol	120	U
85-01-8	Phenanthrene	47	U
120-12-7	Anthracene	47	U
86-74-8	Carbazole	47	U
84-74-2	Di-n-Butylphthalate	47	U
206-44-0	Fluoranthene	47	U
129-00-0	Pyrene	47	U
85-68-7	Butyl benzyl phthalate	47	U
91-94-1	3,3'-Dichlorobenzidine	47	U
56-55-3	Benzo(a)Anthracene	47	U
218-01-9	Chrysene	47	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	47	U
117-84-0	Di-n-octyl phthalate	47	U
205-99-2	Benzo(b)fluoranthene	47	U
207-08-9	Benzo(k)Fluoranthene	47	U
50-32-8	Benzo(a)Pyrene	47	U
193-39-5	Indeno(1,2,3-cd)Pyrene	47	U
53-70-3	Dibenz(a,h)anthracene	47	U
191-24-2	Benzo(g,h,i)Perylene	47	U
100-52-7	Benzaldehyde	47	U
98-86-2	Acetophenone	47	U
105-60-2	Caprolactam	270	D
92-52-4	Biphenyl	47	U
1912-24-9	Atrazine	47	U
024624-29-1	2-Ethylanthroquinone	47	U

KR Applin 1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647914 4.67

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD459.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.27	10	JD

KRB 1/9/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647913 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD448.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	23	U
51-28-5	2,4-Dinitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	23	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647913 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD448.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	0	J
100-01-6	4-Nitroaniline	23	U
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	~~9~~ 5	JB
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	180 ~~200~~	E *
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U
024624-29-1	2-Ethylanthroquinone	9	U

* use diluted sample result

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647913 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD448.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	unknown	4.28	~~4~~	~~J B~~	R
2.	unknown	4.35	~~3~~	~~J B~~	R
3.	unknown	4.40	~~2~~	~~J B~~	R
4.	unknown	8.21	6	J	
5. 000112-05-0	Nonanoic acid	8.30	2	JN	
6.	unknown	9.53	2	J	
7. 003622-84-2	Benzenesulfonamide, N-butyl-	13.90	4	JN	
8.	unknown	18.30	8	J	

KAA
1/12/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647913 2.8

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD458.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 3.0 DO NOT USE

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	28	U
111-44-4	bis(-2-Chloroethyl)Ether	28	U
95-57-8	2-Chlorophenol	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
108-60-1	2,2'-oxybis(1-Chloropropane)	28	U
95-48-7	2-Methylphenol	28	U
621-24-7	N-Nitroso-Di-n-propylamine	28	U
67-72-1	Hexachloroethane	28	U
106-44-5	4-Methylphenol	28	U
98-95-3	Nitrobenzene	28	U
78-59-1	Isophorone	28	U
88-75-5	2-Nitrophenol	28	U
105-67-9	2,4-Dimethylphenol	28	U
111-91-1	bis(-2-Chloroethoxy)Methane	28	U
120-83-2	2,4-Dichlorophenol	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
91-20-3	Naphthalene	28	U
106-47-8	4-Chloroaniline	28	U
87-68-3	Hexachlorobutadiene	28	U
59-50-7	4-Chloro-3-methylphenol	28	U
91-57-6	2-Methylnaphthalene	28	U
77-47-4	Hexachlorocyclopentadiene	28	U
88-06-2	2,4,6-Trichlorophenol	28	U
95-95-4	2,4,5-Trichlorophenol	70	U
91-58-7	2-Chloronaphthalene	28	U
88-74-4	2-Nitroaniline	70	U
208-96-8	Acenaphthylene	28	U
131-11-3	Dimethyl Phthalate	28	U
606-20-2	2,6-Dinitrotoluene	28	U
83-32-9	Acenaphthene	28	U
99-09-2	3-Nitroaniline	70	U
51-28-5	2,4-Dinitrophenol	70	U
132-64-9	Dibenzofuran	28	U
121-14-2	2,4-Dinitrotoluene	28	U
100-02-7	4-Nitrophenol	70	U

KAB 1/5/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9 DL

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 647913 2.8

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD458.D

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 3.0 DO NOT USE

GPC Cleanup: (Y/N) N pH: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
86-73-7	Fluorene	28	U
7005-72-3	4-Chlorophenyl-phenylether	28	U
84-66-2	Diethylphthalate	28	U
100-01-6	4-Nitroaniline	70	U
534-52-1	4,6-Dinitro-2-methylphenol	70	U
86-30-6	N-Nitrosodiphenylamine	28	U
101-55-3	4-Bromophenyl-phenylether	28	U
118-74-1	Hexachlorobenzene	28	U
87-86-5	Pentachlorophenol	70	U
85-01-8	Phenanthrene	28	U
120-12-7	Anthracene	28	U
86-74-8	Carbazole	28	U
84-74-2	Di-n-Butylphthalate	4	JBD
206-44-0	Fluoranthene	28	U
129-00-0	Pyrene	28	U
85-68-7	Butyl benzyl phthalate	28	U
91-94-1	3,3'-Dichlorobenzidine	28	U
56-55-3	Benzo(a)Anthracene	28	U
218-01-9	Chrysene	28	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	28	U
117-84-0	Di-n-octyl phthalate	28	U
205-99-2	Benzo(b)fluoranthene	28	U
207-08-9	Benzo(k)Fluoranthene	28	U
50-32-8	Benzo(a)Pyrene	28	U
193-39-5	Indeno(1,2,3-cd)Pyrene	28	U
53-70-3	Dibenz(a,h)anthracene	28	U
191-24-2	Benzo(g,h,i)Perylene	28	U
100-52-7	Benzaldehyde	28	U
98-86-2	Acetophenone	28	U
105-60-2	Caprolactam	180	D
92-52-4	Biphenyl	28	U
1912-24-9	Atrazine	28	U
024624-29-1	2-Ethylanthroquinone	28	U

1/9/04

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-9 DL

Lab Name: CAS-ROCH Contract: PASSERO
Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S
Matrix: (soil/water) WATER Lab Sample ID: 647913 2.8
Sample wt/vol: 1070 (g/ml) ML Lab File ID: AD458.D
Level: (low/med) LOW Date Received: 06/10/03
% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/12/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/16/03
Injection Volume: 2.0 (uL) Dilution Factor: 3.0
GPC Cleanup: (Y/N) N pH: 7

DO NOT USE

CONCENTRATION UNITS:
Number TICs found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	8.22	7	JD
2.	unknown	18.28	7	JD

KRB
1/3/04

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 648351 1.03

Sample wt/vol: 970 (g/ml) ML Lab File ID: AD450.D

Level: (low/med) LOW Date Received: 06/11/03

% Moisture: decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	26	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R317126 SAS No.: _____ SDG No.: MW-4S

Matrix: (soil/water) WATER Lab Sample ID: 648351 1.03

Sample wt/vol: 970 (g/ml) ML Lab File ID: AD450.D

Level: (low/med) LOW Date Received: 06/11/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 06/12/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10 J	JB U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	68	
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U
024624-29-1	2-Ethylanthroquinone	10	U

1/9/04

Groundwater

Pest/PCB

June '03

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-1

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646916

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2470			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	67.3	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	129000			P
7440-47-3	Chromium	48.6			P
7440-48-4	Cobalt	15.5	B		P
7440-50-8	Copper	15.0	B		P
7439-89-6	Iron	2680			P
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium	56700			P
7439-96-5	Manganese	337			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	35.5	B		P
7440-09-7	Potassium	3860	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	12100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	54.1			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-2

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646633

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	108	B		P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	55.9	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.84	B		P
7440-70-2	Calcium	183000			P
7440-47-3	Chromium	6.2	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	131			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	74900			P
7439-96-5	Manganese	339			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	6.4	B		P
7440-09-7	Potassium	5340			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	17700			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	8.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646914

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	856			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	128	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	91400			P
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	5.8	B		P
7439-89-6	Iron	883			P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	77600			P
7439-96-5	Manganese	294			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	14.9	B		P
7440-09-7	Potassium	5210			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	10.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-4S

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646211

Level (low/med): LOW Date Received: 06/03/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	295			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	47.2	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	3.6	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	335			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	27000			P
7439-96-5	Manganese	233			P
7439-97-6	Mercury	0.01	~~U~~ UJ		CV
7440-02-0	Nickel	11.4	B		P
7440-09-7	Potassium	1280	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	20000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	10.4	B		P

Kathryn 1/12/04

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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Columbia Analytical Services

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646915

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	214			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	32500			P
7440-47-3	Chromium	40.4			P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	13.2	B		P
7439-89-6	Iron	995			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	2560	B		P
7439-96-5	Manganese	19.4			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	15.9	B		P
7440-09-7	Potassium	118000			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	146000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	2.3	B		P
7440-66-6	Zinc	23.7			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-5

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646210

Level (low/med): LOW Date Received: 06/03/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	231			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	68.7	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	48100			P
7440-47-3	Chromium	8.9	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	363			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	37000			P
7439-96-5	Manganese	56.7			P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	8.3	B		P
7440-09-7	Potassium	16700			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	39700			P
7440-28-0	Thallium	3.1	B		P
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	7.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-6

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647328

Level (low/med): LOW Date Received: 06/06/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	245			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	36.8	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	39700			P
7440-47-3	Chromium	3.1	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	221			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	21000			P
7439-96-5	Manganese	62.6			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	3060	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	129000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	8.6	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-7

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647678

Level (low/med): LOW Date Received: 06/09/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	929			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	59.5	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	74500			P
7440-47-3	Chromium	17.9			P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	776			P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	43700			P
7439-96-5	Manganese	89.6			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	10.9	B		P
7440-09-7	Potassium	3370	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	68300			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	102			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-8

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647914

Level (low/med): LOW Date Received: 06/10/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	997			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	66.4	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	3.2	B		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	973			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	80900			P
7439-96-5	Manganese	506			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	4630	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	69100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	8.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-9

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647913

Level (low/med): LOW Date Received: 06/10/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	249			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	93.3	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	85300			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	858			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	76800			P
7439-96-5	Manganese	162			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	6020			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	18900			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	4.4	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 648351

Level (low/med): LOW Date Received: 06/11/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	464			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	72.5	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	423			P
7439-92-1	Lead	2.5	B		P
7439-95-4	Magnesium	72300			P
7439-96-5	Manganese	26.0			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	1.4	U		P
7440-09-7	Potassium	2820	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	10800			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	6.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Groundwater

Metals

June '03

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646916

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2470			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	67.3	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	129000			P
7440-47-3	Chromium	48.6			P
7440-48-4	Cobalt	15.5	B		P
7440-50-8	Copper	15.0	B		P
7439-89-6	Iron	2680			P
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium	56700			P
7439-96-5	Manganese	337			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	35.5	B		P
7440-09-7	Potassium	3860	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	12100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	54.1			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-2

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646633

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	108	B		P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	55.9	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.84	B		P
7440-70-2	Calcium	183000			P
7440-47-3	Chromium	6.2	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	131			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	74900			P
7439-96-5	Manganese	339			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	6.4	B		P
7440-09-7	Potassium	5340			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	17700			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	8.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-3

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646914

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	856			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	128	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	91400			P
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	5.8	B		P
7439-89-6	Iron	883			P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	77600			P
7439-96-5	Manganese	294			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	14.9	B		P
7440-09-7	Potassium	5210			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	10.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646211

Level (low/med): LOW Date Received: 06/03/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	295			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	47.2	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	3.6	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	335			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	27000			P
7439-96-5	Manganese	233			P
7439-97-6	Mercury	0.01	U	UJ	CV
7440-02-0	Nickel	11.4	B		P
7440-09-7	Potassium	1280	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	20000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	10.4	B		P

1/12/04

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646915

Level (low/med): LOW Date Received: 06/05/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	214			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	32500			P
7440-47-3	Chromium	40.4			P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	13.2	B		P
7439-89-6	Iron	995			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	2560	B		P
7439-96-5	Manganese	19.4			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	15.9	B		P
7440-09-7	Potassium	118000			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	146000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	2.3	B		P
7440-66-6	Zinc	23.7			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 646210

Level (low/med): LOW Date Received: 06/03/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	231			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	68.7	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	48100			P
7440-47-3	Chromium	8.9	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	363			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	37000			P
7439-96-5	Manganese	56.7			P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	8.3	B		P
7440-09-7	Potassium	16700			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	39700			P
7440-28-0	Thallium	3.1	B		P
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	7.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: MW-6

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647328

Level (low/med): LOW Date Received: 06/06/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	245			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	36.8	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	39700			P
7440-47-3	Chromium	3.1	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	221			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	21000			P
7439-96-5	Manganese	62.6			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	3060	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	129000			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	0.89	U		P
7440-66-6	Zinc	8.6	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-7

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647678

Level (low/med): LOW Date Received: 06/09/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	929			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	59.5	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	74500			P
7440-47-3	Chromium	17.9			P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	776			P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	43700			P
7439-96-5	Manganese	89.6			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	10.9	B		P
7440-09-7	Potassium	3370	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	68300			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	102			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647914

Level (low/med): LOW Date Received: 06/10/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	997			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	66.4	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	3.2	B		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	973			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	80900			P
7439-96-5	Manganese	506			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	4630	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	69100			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	8.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-9

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 647913

Level (low/med): LOW Date Received: 06/10/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	249			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	93.3	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	85300			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	858			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	76800			P
7439-96-5	Manganese	162			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	6020			P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	18900			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	4.4	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
MW-10

Contract: R2317126

Lab Code: Case No.: SAS No.: SDG NO.: MW-4S

Matrix (soil/water): WATER Lab Sample ID: 648351

Level (low/med): LOW Date Received: 06/11/03

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	464			P
7440-36-0	Antimony	6.5	U		P
7440-38-2	Arsenic	5.8	U		P
7440-39-3	Barium	72.5	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron	423			P
7439-92-1	Lead	2.5	B		P
7439-95-4	Magnesium	72300			P
7439-96-5	Manganese	26.0			P
7439-97-6	Mercury	0.01	U		CV
7440-02-0	Nickel	1.4	U		P
7440-09-7	Potassium	2820	B		P
7782-49-2	Selenium	4.5	U	N	P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	10800			P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	6.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Groundwater

SVOC

Dec. '03

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694056 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE728.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	23	U
51-28-5	2,4-Dinitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	23	U
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	23	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694056 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE728.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	4	JB
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	23	U
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-1

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694056 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE728.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	4	JNβ
2. 000123-95-5	Octadecanoic acid, butyl ester	18.83	3	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693685 0.965

Sample wt/vol: 1036 (g/ml) ML Lab File ID: AE714.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693685 0.965

Sample wt/vol: 1036 (g/ml) ML Lab File ID: AE714.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693685 0.965

Sample wt/vol: 1036 (g/ml) ML Lab File ID: AE714.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.88	2	JNB
2.	unknown	14.57	2	J
3.	unknown	15.33	2	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693689 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE720.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	23	U
51-28-5	2,4-Dinitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	23	U
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	23	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693689 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE720.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	7	JB
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	23	U
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-3

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693689 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE720.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.88	4	JN β
2.	unknown	11.32	3	J
3.	unknown	18.31	4	J
4.	unknown	21.17	12	J
5.	unknown	21.56	3	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693687 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE718.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693687 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE718.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-4S

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693687 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE718.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000127-18-4	Tetrachloroethylene	3.90	2	JN
2.	unknown	4.27	3	J
3. 001610-18-0	Prometon	13.46	3	JN
4.	unknown	18.50	3	J
5.	unknown	21.18	25	J
6.	unknown	24.53	2	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693688 1.03

Sample wt/vol: 970 (g/ml) ML Lab File ID: AE719.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	7	J
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	26	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693688 1.03

Sample wt/vol: 970 (g/ml) ML Lab File ID: AE719.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	7	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	2	J
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-4D

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693688 1.03

Sample wt/vol: 970 (g/ml) ML Lab File ID: AE719.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-92-6	Butanoic acid	3.50	2	JN
2.	unknown acid	4.24	5	J
3.	unknown acid	4.34	3	J
4.	unknown acid	6.42	3	J
5. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	4	JN
6.	unknown acid	7.38	3	J
7. 000065-85-0	Benzoic Acid	7.46	9	JN
8.	unknown acid	8.29	5	J
9.	unknown acid	8.37	6	J
10.	unknown acid	8.40	6	J
11. 000334-48-5	n-Decanoic acid	9.40	3	JN
12. 000123-08-0	Benzaldehyde, 4-hydroxy-	9.58	2	JN
13.	unknown	10.57	2	J
14.	unknown	10.97	2	J
15.	unknown	11.34	3	J
16. 000143-07-7	Dodecanoic acid	11.48	7	JN
17.	unknown	13.42	4	J
18. 001610-18-0	Prometon	13.44	3	JN
19. 000057-10-3	n-Hexadecanoic acid	15.36	3	JN
20.	unknown	16.93	5	J
21.	unknown	18.36	14	J
22.	unknown	18.48	2	J
23.	unknown	21.17	13	J
24.	unknown	24.57	10	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D DUP

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693692 1.01

Sample wt/vol: 990 (g/ml) ML Lab File ID: AE721.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8	J
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D DUP

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693692 1.01

Sample wt/vol: 990 (g/ml) ML Lab File ID: AE721.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 12

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	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	6	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	25	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-4D DUP

Lab Name: CAS-ROCH Contract: PASSERO
Lab Code: 10145 Case No.: R319428 SAS No.: ____ SDG No.: MW-2
Matrix: (soil/water) WATER Lab Sample ID: 693692 1.01
Sample wt/vol: 990 (g/ml) ML Lab File ID: AE721.D
Level: (low/med) LOW Date Received: 12/4/03
% Moisture: ____ decanted: (Y/N) N Date Extracted: 12/9/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-92-6	Butanoic acid	3.51	2	JN
2. 000127-18-4	Tetrachloroethylene	3.91	2	JN
3.	unknown acid	4.24	5	J
4.	unknown acid	4.35	3	J
5.	unknown acid	6.42	3	J
6. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	3	JN β
7.	unknown acid	7.37	4	J
8. 000065-85-0	Benzoic Acid	7.45	8	JN
9. 000103-82-2	Benzeneacetic acid	8.28	4	JN
10.	unknown acid	8.37	6	J
11.	unknown acid	8.40	5	J
12. 000334-48-5	n-Decanoic acid	9.40	2	JN
13.	unknown	10.57	2	J
14.	unknown	10.96	2	J
15.	unknown	11.33	4	J
16. 000143-07-7	Dodecanoic acid	11.48	7	JN
17. 001610-18-0	Prometon	13.44	8	JN
18. 000544-63-8	Tetradecanoic acid	13.48	2	JN
19. 000057-10-3	n-Hexadecanoic acid	15.36	2	JN
20.	unknown	16.93	5	J
21.	unknown	18.35	12	J
22.	unknown	21.01	2	J
23.	unknown	21.18	20	J
24.	unknown	21.26	23	J
25.	unknown	21.56	5	J
26. 000645-66-9	Lauric anhydride	24.55	10	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693686 1.005

Sample wt/vol: 995 (g/ml) ML Lab File ID: AE717.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 693686 1.005

Sample wt/vol: 995 (g/ml) ML Lab File ID: AE717.D

Level: (low/med) LOW Date Received: 12/4/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	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	4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	25	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-5

Lab Name: CAS-ROCH Contract: PASSERO
Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2
Matrix: (soil/water) WATER Lab Sample ID: 693686 1.005
Sample wt/vol: 995 (g/ml) ML Lab File ID: AE717.D
Level: (low/med) LOW Date Received: 12/4/03
% Moisture: decanted: (Y/N) N Date Extracted: 12/9/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/03
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.88	3	JN β
2.	unknown	11.88	2	J
3.	unknown	12.63	2	J
4.	unknown	13.88	2	J
5.	unknown	14.56	5	J
6.	unknown	15.27	3	J
7.	unknown	16.37	4	J
8.	unknown	16.99	5	J
9.	unknown	17.62	2	J
10.	unknown	18.30	3	J
11.	unknown	18.59	5	J
12.	unknown	19.15	3	J
13.	unknown	20.59	3	J
14.	unknown	21.17	6	J
15.	unknown	24.54	3	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694055 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE722.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694055 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE722.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,I)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694055 0.96

Sample wt/vol: 1040 (g/ml) ML Lab File ID: AE722.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-02-6	Cyclopentasiloxane, decamethyl-	6.88	3	JN
2.	unknown	19.99	2	J
3.	unknown	21.56	4	J
4.	unknown	21.91	3	J
5. 007683-64-9	Squalene	22.11	2	JN

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694294 1.0

Sample wt/vol: 1000 (g/ml) ML Lab File ID: AE733.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	25	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694294 1.0

Sample wt/vol: 1000 (g/ml) ML Lab File ID: AE733.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	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	4	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	25	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-7

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694294 1.0

Sample wt/vol: 1000 (g/ml) ML Lab File ID: AE733.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	3	JNB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694293 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE732.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	bis(-2-Chloroethyl)Ether	9	U
95-57-8	2-Chlorophenol	9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9	U
95-48-7	2-Methylphenol	9	U
621-24-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
106-44-5	4-Methylphenol	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	bis(-2-Chloroethoxy)Methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
208-96-8	Acenaphthylene	9	U
131-11-3	Dimethyl Phthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
83-32-9	Acenaphthene	9	U
99-09-2	3-Nitroaniline	23	U
51-28-5	2,4-Dinitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
100-02-7	4-Nitrophenol	23	U
86-73-7	Fluorene	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
84-66-2	Diethylphthalate	9	U
100-01-6	4-Nitroaniline	23	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694293 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE732.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-Nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-Butylphthalate	4	JB
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)Fluoranthene	9	U
50-32-8	Benzo(a)Pyrene	9	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9	U
53-70-3	Dibenz(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)Perylene	9	U
100-52-7	Benzaldehyde	9	U
98-86-2	Acetophenone	9	U
105-60-2	Caprolactam	23	U
92-52-4	Biphenyl	9	U
1912-24-9	Atrazine	9	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694293 0.93

Sample wt/vol: 1070 (g/ml) ML Lab File ID: AE732.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	3	JNB
2.		unknown	21.17	12	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694292 0.948

Sample wt/vol: 1055 (g/ml) ML Lab File ID: AE731.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

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
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	24	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	24	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	24	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694292 0.948

Sample wt/vol: 1055 (g/ml) ML Lab File ID: AE731.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	24	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	24	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	3	JB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U
100-52-7	Benzaldehyde	10	U
98-86-2	Acetophenone	10	U
105-60-2	Caprolactam	24	U
92-52-4	Biphenyl	10	U
1912-24-9	Atrazine	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-9

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694292 0.948

Sample wt/vol: 1055 (g/ml) ML Lab File ID: AE731.D

Level: (low/med) LOW Date Received: 12/8/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000541-02-6	Cyclopentasiloxane, decamethyl-	6.89	3	JNB
2.		unknown	21.26	79	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694057 1.05

Sample wt/vol: 950 (g/ml) ML Lab File ID: AE729.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(-2-Chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
621-24-7	N-Nitroso-Di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(-2-Chloroethoxy)Methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethyl Phthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	U
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
100-02-7	4-Nitrophenol	26	U
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-10

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694057 1.05

Sample wt/vol: 950 (g/ml) ML Lab File ID: AE729.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: decanted:(Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-Butylphthalate	4	JB
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butyl benzyl phthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)Anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)Fluoranthene	11	U
50-32-8	Benzo(a)Pyrene	11	U
193-39-5	Indeno(1,2,3-cd)Pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)Perylene	11	U
100-52-7	Benzaldehyde	11	U
98-86-2	Acetophenone	11	U
105-60-2	Caprolactam	26	U
92-52-4	Biphenyl	11	U
1912-24-9	Atrazine	11	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-10

Lab Name: CAS-ROCH Contract: PASSERO

Lab Code: 10145 Case No.: R319428 SAS No.: _____ SDG No.: MW-2

Matrix: (soil/water) WATER Lab Sample ID: 694057 1.05

Sample wt/vol: 950 (g/ml) ML Lab File ID: AE729.D

Level: (low/med) LOW Date Received: 12/5/03

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/9/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000127-18-4	Tetrachloroethylene	3.91	220	JN
2.	000541-02-6	Cyclopentasiloxane, decamethyl-	6.88	3	JN β
3.	000123-95-5	Octadecanoic acid, butyl ester	18.83	2	JN
4.		unknown	24.56	12	J