

March 26, 2007

Ms. Kristen DuBois  
Project Manager  
Fairbanks International Airport  
6450 Airport Way, Suite 1  
Fairbanks, Alaska 99709

**RE: Further VOC Characterization at Former Drainage Pond Area: Fairbanks International Airport**

Dear Ms. DuBois:

This report presents a summary of results from fall 2006 soil gas and groundwater monitoring at the former drainage pond area located west of the Alaska Airlines Cargo Building at the Fairbanks International Airport facility.

The contaminants of concern (COCs) identified above Alaska Department of Environmental Conservation (DEC) 18 AAC 75.345 Table C cleanup levels in groundwater at the former drainage pond area include benzene and the chlorinated solvent tetrachloroethene (PCE) and its degradation products trichloroethene (TCE), dichloroethene (DCE) isomers, and vinyl chloride (VC).

Background information regarding the site's physical characteristics and investigation history is presented in the 1999 OASIS Environmental, Inc. document entitled *Expedited Site Assessment/Release Investigation Report, Fairbanks International Airport Fuel Hydrant Distribution System* (OASIS, 1999), and in annual monitoring reports prepared from 2000 through 2005 as referenced at the end of this report.

The work scope completed in fall 2006 is summarized below:

- Installed 54 soil gas modules in a grid pattern to delineate potential chlorinated solvent (PCE and its degradation products) source areas.
- Used passive diffusion bags (PDBs) to collect groundwater samples from three discrete depths (i.e., 15 feet below ground surface [bgs], 25 feet bgs, and 35 feet bgs) in monitoring well MW-11R and compared the results to the 2005 MW-11R groundwater monitoring data.
- Installed two temporary wells (TW1 and TW2) and collected groundwater samples from three discrete depths (i.e., 15 feet bgs, 25 feet bgs, and 35 feet bgs) in each.
- Installed two permanent monitoring wells (MW-36 and MW-37) and two replacement monitoring wells (MW-29R and MW-30R), and abandoned previous monitoring wells MW-29 and MW-30.
- Sampled seven permanent monitoring wells (i.e., MW-12, MW-29R, MW-30R, MW-34, MW-35, MW-36, and MW-37) for volatile organic compounds (VOCs).

- Sampled three permanent monitoring wells (i.e., MW-30R [upgradient], MW-11R [mid-plume], and MW-35 [downgradient]) for monitored natural attenuation (MNA) parameters.

## **FIELD METHODS**

The field activities were performed in accordance with the October 16, 2006, work plan (prepared as a letter work plan to Ms. DuBois *re: Work Plan for Former Drainage Pond Area, Fairbanks International Airport, Fairbanks, Alaska*) and the OASIS Quality Assurance Program Plan for Site Assessments (QAPP), April 1996, on file with Alaska DEC.

Soil gas activities were conducted on October 12-13, 2006, October 20, 2006, and November 2 and 3, 2006. Groundwater well installation, replacement, and monitoring activities were performed between October 26 and November 2, 2006.

### SOIL GAS ACTIVITIES

OASIS established a 54-point grid for the soil gas monitoring on October 12, 2006. The grid points were generally located on a 50-foot spacing except where limited by buried utilities, roads, or standing water. Figure 1 shows the grid point locations.

OASIS subcontracted GeoTek Alaska to drive 3-foot soil borings (using a GeoProbe® drill rig) on all of the grid points, and then installed GoreSorber® soil gas modules into the borings. The GoreSorber® modules are approximately 4-inch long Gore-Tex® membranes that collect VOC vapors through diffusion.

The first 30 GoreSorber® soil gas modules were installed on October 12, 2006 and October 13, 2006; 23 were installed before the GeoProbe® rig broke down, and then OASIS manually installed 7 more before the hammer drill burned out. On October 20, 2006, the remaining 24 GoreSorber® soil gas modules were installed.

In accordance with GoreSorber® procedures, the soil gas modules were left in the ground for at least two weeks; the first 30 modules were retrieved on November 2, 2006 (nearly 3-week deployment), and the remaining 24 modules were retrieved on November 3, 2006 (2-week deployment). The modules were then shipped to GORE™ for analysis by a modified EPA Method 8260/8270 and reporting.

### WELL INSTALLATION AND REPLACEMENT

Well installation and decommissioning activities took place on October 28 and 29, 2006. Monitoring well locations are shown on Figure 1.

MW-29 was replaced by MW-29R (located near the fence separating the fuel hydrant building facility from the snow removal equipment storage area, approximately 30 feet north-northwest of MW-29). MW-29R is a 1.5-inch PVC well casing with a 10-foot pre-packed screen installed to a depth of 18.5 feet. MW-29 was replaced because the original steel drive point was experiencing very slow recovery.

MW-30 was replaced by MW-30R (located approximately 5 feet southwest of MW-30). MW-30R is a 1.5-inch PVC well casing with a 10-foot pre-packed screen installed to a depth of 18.2 feet. MW-30 was replaced because the original steel drive point installed in 1999 was experiencing very slow recovery.

Monitoring wells MW-29 and MW-30 were decommissioned by pulling pipe from the wells and backfilling with bentonite to approximately one foot from the surface. The remaining space was filled with a concrete patch. The MW-30 decommissioning was completed on October 28, 2006, and the MW-29 decommissioning was completed on October 30, 2006.

Monitoring well MW-36 was installed to a depth of 20 feet to serve as a cross-gradient monitoring well, and monitoring well MW-37 was installed to a depth of 20.5 feet to serve as a downgradient monitoring well. MW-36 and MW-37 were installed as standard 1.5-inch diameter PVC monitoring wells using ten feet of pre-packed screen and approximately 10 feet of PVC riser pipe.

The four wells were installed using a GeoProbe® rig operated by personnel from GeoTek Alaska, Inc. Soil samples were not collected during well installation.

The four wells were developed following installation. MW-36 was developed on October 29, 2006 using a peristaltic pump. MW-29R, MW-30R, and MW-37 were developed on November 1, 2006, using a peristaltic pump. Well development data were recorded in the field notebook, which is attached to this letter report.

#### TEMPORARY WELL INSTALLATION AND SAMPLING

Temporary well (TW-1 and TW-2) installation and sampling activities took place on October 29, 2006. Temporary well locations are shown on Figure 1.

Each temporary well was driven to 15 feet bgs and purged and sampled, then driven to 25 feet bgs and purged and sampled, and then driven to 35 feet bgs and purged and sampled. For each sample depth, the wells were purged until water quality parameters stabilized. Upon completion of sampling activities at the temporary wells, the borings were backfilled with bentonite.

#### SURVEYING

Locations of the new wells, temporary wells, and soil gas sampling points were all surveyed by GeoTek (using a GPS) on November 6, 2006. The survey data is attached to this letter.

#### MW-11R GROUNDWATER SAMPLING

On October 26, 2006, OASIS deployed three PDBs filled with de-ionized water in MW-11R. The PDBs were set at approximately 15 feet bgs, 25 feet bgs, and 35 feet bgs.

On November 2, 2006, OASIS retrieved the PDBs, and poured the contents of the PDBs into sample containers. The samples were submitted for laboratory analysis of VOCs using EPA Method 8260B.

In addition, MW-11R was sampled for MNA parameters as described in the following section.

#### GROUNDWATER SAMPLING

Groundwater samples were collected from selected monitoring wells and analyzed for VOCs using EPA Method 8260B; three selected monitoring wells were also sampled for MNA parameter analysis. The rationale for the selection of each well and sampling depth is summarized below:

- Monitoring well MW-12 was sampled to compare current levels of VOC with those observed from 1999 to 2005 south of the former drainage pond area.
- Monitoring wells MW-34 and MW-35 were sampled as off-site boundary wells to compare current levels of VOCs with those observed from 1999 to 2005 downgradient of the known plume area.
- Newly-installed monitoring wells MW-29R and MW-30R were sampled to compare current levels of VOCs with that observed in MW-29 and MW-30 in 2005.
- Newly-installed monitoring well MW-36 was sampled to establish cross-gradient VOC concentrations, and MW-37 was sampled to establish furthest downgradient VOC concentrations.
- Three monitoring wells (i.e., MW-30R [upgradient], MW-11R [mid-plume], and MW-35 [downgradient]) were sampled for the following MNA parameters: dissolved iron and manganese EPA Method 6010B; nitrate, chloride, and sulfate by EPA Method 300.0, and alkalinity by EPA Method 2320B.

Groundwater samples were collected from the wells using a peristaltic pump with dedicated tubing for each well. Samples were collected when water quality parameters had stabilized in each well. Groundwater sample data were recorded in the field notebook, which is attached to this letter report.

Neither frozen conditions nor phase-separated product were noted at any of the sampled wells. All wells had good recharge rates except for MW-12, which purged dry after excavation of one well volume. The sample from MW-12 was collected after approximately one-half hour of recharge. Monitoring wells MW-34 and MW-35 were noted to have frost-jacked since 2005. Field notes are provided as an attachment to this letter report.

#### INVESTIGATION-DERIVED WASTE (IDW) HANDLING

Site characterization field activities generated solid and aqueous IDW. Solid IDW included disposable equipment such as nitrile gloves and peristaltic pump tubing was placed in trash bags and disposed of at the Fairbanks municipal landfill. Aqueous IDW, consisting of temporary well and monitoring well purge water, was contained in a 55-gallon drum at the site. Removal and disposal of this drum by OIT, Inc., occurred in January 2007 after receipt of analytical data confirming that aqueous IDW was non-hazardous.

#### **SOIL GAS SURVEY RESULTS**

A final report of the soil gas survey results was prepared by W.L. Gore and Associates. The final report, entitled *GORE™ Surveys Final Report Former Airport Drainage Pond, Fairbanks Int. Airport, Fairbanks, Alaska*, dated December 4, 2006, is attached to this letter report. The report includes field notes from the deployment of the soil gas modules, sample chain-of-custody, a data table of results, stacked total ion chromatograms, and contaminant concentration contour maps. The contour maps present the soil gas mass levels present in the vapor phase for PCE, TCE, and cis-DCE.

The color contour maps clearly show a relatively small area of contamination centered on grid point 45, which is located slightly east of MW-11R. The area of PCE detections extended to Airport Industrial Road and the access road, but not across either road. The

PCE contour map shows higher soil gas mass levels and a larger area of impact than the TCE and cis-DCE contour maps. The soil gas vapor pattern shown in the color contour maps shows no evidence of significant downgradient contaminant migration; there were no detections in soil gas samples 14, 15, 43, 42, 41, and 40, located in a row 50 feet downgradient from soil gas point 45.

**GROUNDWATER MONITORING RESULTS**

GROUNDWATER ELEVATIONS

The depth to groundwater was measured at each well prior to groundwater sampling; however, there was no attempt to prepare an updated piezometric surface map associated with the October/November 2006 field activities. In September 2005, all wells at FIA were resurveyed were gauged to calculate the groundwater flow gradient across the site. The groundwater flow gradient calculated for September 27, 2005 (0.0004 ft/ft towards the west) is shown on Figures 1 and 2. The September 2005 groundwater gradient was consistent with previously observed autumn groundwater conditions at the site (Glass, 1996).

On November 1, 2006, the elevations of the newly-installed monitoring wells (MW-29R, MW-30R, MW-36, and MW-37) were surveyed by OASIS personnel using an optical range finder and survey rod. Water table elevations were calculated for all of the groundwater depths measured (Table 1). The water table elevation information presented in Table 1 should only be considered approximate because 1) several of the wells (MW-34 and MW-35) were noted to have jacked since they were surveyed in 2005, 2) the current accuracy of the MW-11R elevation (surveyed in September 2005 and used as the basis for the elevation survey loop performed in November 2006) is unknown, and 3) while the vertical surveying was performed by competent field personnel, the field personnel are not licensed surveyors.

**Table 1:  
 Groundwater Elevation Data 11/1/2006 (Approximate)  
 Fairbanks International Airport, Former Drainage Pond**

Location	Date	Top of Casing Elevation (Relative)	Top of Casing Elevation* (FASL)	Depth to Water (TOC)	Water Table Elevation (FASL)
MW-10	11/1/2006		426.92	10.36	416.56
MW-11R	11/1/2006	100	425.80	9.19	416.61
MW-12	11/1/2006		429.49	12.82	416.67
MW-29R	11/1/2006	100.75	426.55	9.26	417.29
MW-30R	11/1/2006	102.2	428.00	10.24	417.76
MW-34**	11/1/2006		424.83	8.31	416.52
MW-35**	11/1/2006		424.45	8.1	416.35
MW-36	11/1/2006	101.39	427.19	8.79	418.40
MW-37	11/1/2006	98.2	424.00	7.87	416.13

Surveyed 9/27/05 (MW-10, MW-11R, MW-12, MW-34, and MW-35)

Calculated from relative elevations measured 11/1/06 (MW-29R, MW-30R, MW-36, and MW-37)

\*\* Elevations are suspect, because wells have jacked since 2005.

### LABORATORY ANALYTICAL RESULTS

Figure 2 presents the groundwater sample analytical results for PCE, TCE, cis-DCE, and VC across the area of the former drainage pond. Table 2 presents the tabulated historical groundwater analytical results for the site (for PCE and its degradation products plus benzene) since monitoring began in 1999, and analytical results for all other VOCs are provided in Table 3. Field-screening and MNA parameter results are presented in Table 4. The SGS laboratory data report for this sampling event is also attached to this letter.

The analytical results for VOCs are discussed in the following sections with respect to groundwater cleanup levels (GCLs) established in Alaska DEC regulations (18 AAC 75.345 Table C). For analytes not included in Table C, groundwater cleanup levels were calculated using Equation 1 of Alaska DEC's Cleanup Level Guidance (DEC, 2004). MNA parameter results were evaluated in accordance with information provided in the *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater* (Wiedemeier, et al, 1998).

### DATA QUALITY

The analytical report was reviewed for custody procedures, hold times, appropriate detection levels, field blanks and duplicates, and laboratory control sample quality. All data was found to be within control limits with the following exceptions:

- The samples from the two work orders were received by the lab at less than 2°C. Three VOA vials were broken due to freezing. Only intact vials were used for the analyses and no data qualification is necessary.
- No alkalinity analysis was performed for samples MW20, MW35, and MW30R as requested in the COC.
- The PQL for 1,2,3-trichloropropane in the VOC samples is 1.0 µg/L, which is higher than the ADEC Table C cleanup level of 0.4 µg/L.
- Vinyl chloride recovery was biased high in one LCS sample. Bromomethane recoveries were biased high in three LCS and LCSD samples. All associated project samples were non-detect for these two analytes. No qualification of the data is necessary.
- Methylene chloride recovery was biased low in the LCS associated with samples MW29R, MW12, MW37, MW20, MW35, and MW11R-15. Methylene chloride results have been flagged "J" as estimated in these samples.
- The 1,2-dichloroethane-D4 surrogate was biased high in a method blank for ethylbenzene and 1,2,3-trichloropropane. These two analytes were non-detect in the method blank and no qualification is necessary.

Two duplicate groundwater samples were collected. Sample MW20 was a duplicate of sample MW35 and was analyzed for VOC, dissolved iron, manganese, sulfate, nitrate, and chloride. Sample TW1-45 was a duplicate of sample TW1-25 and was analyzed for VOC only. Relative percent difference (RPD) values were calculated for all analytes with concentrations above the analytical reporting limit. All RPD values for duplicate samples were within the data quality objective of 20%.

The total overall calculated completeness of the data set is 100%.

### MW-11R ANALYTICAL RESULTS

In 2006, PCE, TCE, cis-DCE, and VC were all detected at concentrations above their respective GCLs in samples from 15 feet bgs and 25 feet bgs. In MW-11R (at 35 feet bgs), PCE and cis-DCE were detected above their respective GCLs (Table 2 and Figure 2).

The 2006 MW-11R sample results were compared to the 2005 MW-11R sample results, which were collected by a different sample method (i.e., low flow sampling). To aid in the comparison, total chlorinated ethene concentrations were calculated for each sample in both sampling events by converting the mass concentrations measured in mg/L to molar concentrations (micromoles per liter [ $\mu\text{Mol/L}$ ]) and then summing the molar concentrations (i.e., PCE + TCE + cis-DCE+VC). The total chlorinated ethane concentrations are shown in the last column of Table 2. A comparison of the 2006 and 2005 analytical results is summarized below.

- The 2006 molar concentrations of total chlorinated ethenes were generally similar to but somewhat lower than the 2005 molar concentrations. The average molar concentrations of total chlorinated ethenes across the three 2005 samples is  $7.9 \mu\text{Mol/L}$ , versus the 2006 average molar concentration of  $7.2 \mu\text{Mol/L}$ . The data suggest that total chlorinated ethenes appear to have decreased between 2005 and 2006; however, future monitoring will be required to determine whether there is a decreasing trend or whether the apparent decrease represents natural fluctuation.
- The trend of increasing contaminant concentrations with depth observed in 2005 was not observed in 2006. In 2005, the molar concentrations of total chlorinated ethenes increased from  $6.8 \mu\text{Mol/L}$  (15 feet bgs) to  $6.9 \mu\text{Mol/L}$  (25 feet bgs) to  $10 \mu\text{Mol/L}$  (35 feet bgs). In 2006, the molar concentrations of total chlorinated ethenes decreased from  $8.4 \mu\text{Mol/L}$  (15 feet bgs) to  $7.5 \mu\text{Mol/L}$  (25 feet bgs) to  $5.8 \mu\text{Mol/L}$  (35 feet bgs). The decreasing trend observed in 2006 suggests that there is not a deep source of PCE remaining in the vicinity of MW-11R.
- In the samples from 15 ft bgs and 25 ft bgs, the PCE and TCE concentrations decreased between 2005 and 2006, while the DCE concentrations increased. The change in relative concentrations of PCE, TCE, and DCE suggests that groundwater geochemistry may be promoting reductive dechlorination of PCE and TCE to DCE.
- In the sample from 35 feet bgs, the concentrations of PCE and its degradation products (TCE, DCE, and VC) decreased from 2005 to 2006.
- In 2005, benzene was detected in all three MW-11R samples at concentrations above its GCL ( $5 \mu\text{g/L}$ ). In 2006, the benzene concentrations in all three MW-11R samples decreased below the GCL.
- Low concentrations of several other analytes were detected in the 2005 and/or 2006 samples from MW-11R. Detected concentrations did not exceed GCLs and were therefore not analyzed further.
- Future monitoring is required to determine whether the changes observed between 2005 and 2006 (i.e., decreasing total chlorinated ethene molar concentrations, decreasing contaminant concentrations at 35 feet bgs, decreasing benzene concentrations, and increasing PCE degradation product

concentrations relative to PCE concentrations) represent trends or just natural fluctuation.

- The PDB sampling (performed in 2006) is considered a more accurate sampling technique for vertical profiling than low-flow interval sampling (performed in 2005) and is recommended for use in future monitoring events.

### VOC ANALYTICAL RESULTS

In 2006, the highest concentrations of VOC compounds were detected in samples from MW-11R, as discussed above. In all of the other monitoring wells, no analytes were detected at concentrations above their respective GCLs, except benzene in TW-1, as summarized below.

- In the TW-1 samples from 15 ft bgs and 25 feet bgs, benzene was detected at concentrations slightly exceeding its 5 µg/L GCL (Table 2). Benzene was not detected above the GCL in the TW-1 sample from 35 ft bgs.

Analytical results for all other analytes are summarized below. As stated above, no other results exceeded GCLs.

- In TW-1, several VOCs were detected at concentrations below GCLs. Cis-DCE was detected in the samples from 15 ft bgs and 25 ft bgs, but not the sample from 35 ft bgs (Table 2). PCE was detected only in the sample from 25 ft bgs. As shown on Table 3, low levels of carbon disulfide, sec-butylbenzene, n-propylbenzene, 1,2-dichlorobenzene, isopropylbenzene, and Freon-11 were detected in one or more of the samples collected from TW-1. Sample data from TW-1 suggest that contamination decreases with depth.
- In TW-2, several VOCs were detected at concentrations below GCLs. Benzene was detected in the samples from 15 ft bgs, 25 ft bgs, and 35 ft bgs, whereas cis-DCE was detected only in the sample from 15 ft bgs (Table 2). As shown on Table 3, low levels of carbon disulfide and 1,2-dichlorobenzene were detected in one or more of the samples collected from TW-2. Sample data from TW-2 suggest that the contamination levels are too low to assess contamination trends with depth.
- In MW-12, several VOCs were detected at concentrations below GCLs. As shown on Table 2, low levels of PCE and benzene were detected. PCE has frequently been detected in samples from MW-12 at concentrations similar to the 2006 detection. Benzene had not previously been detected in MW-12. As shown on Table 3, low levels of several petroleum-related VOCs, Freon-11 and Freon-12, and mono- and di-chlorobenzenes were detected in the sample from MW-12. These concentrations were similar to previously measured detections for these compounds and did not exceed GCLs.
- In MW-29R, several VOCs were detected at concentrations below GCLs. As shown on Table 2, low levels of benzene were detected. Benzene was not detected in historical samples from MW-29. As shown on Table 3, low levels of chloroform and xylenes were detected in the sample from MW-29R. These analytes were not detected in historical samples from MW-29, although low concentrations of other VOCs (e.g., carbon disulfide, mono- and di-chlorobenzenes, Freon-11, and 1,3,5-trimethylbenzene) were detected historically at concentrations below GCLs.



- In MW-30R, several VOCs were detected at concentrations below GCLs. As shown on Table 2, low levels of benzene were detected in the sample from MW-30R. Benzene was not detected in the previous (1999) sample from MW-30. As shown on Table 3, low levels of chloroform, mono- and di-chlorobenzenes, and ethylbenzene, toluene, and xylenes were detected in the sample from MW-30R. With the exception of the chlorobenzenes, these analytes were not detected in historical samples from MW-30.
- In MW-34, only Freon-11 was detected, and the concentration was below GCLs. As shown on Table 2, benzene, PCE, and the PCE degradation products have never been detected in current or historical samples from MW-34. As shown on Table 3, Freon-11 has been consistently detected in historical samples from MW-34, at concentrations well below the GCL. Only two other VOCs, chloroform and methylene chloride (common laboratory contaminants), were historically detected in samples from MW-34.
- In MW-35, several VOCs were detected at concentrations below GCLs. As shown on Table 2, low levels of benzene and cis-DCE were detected. Both compounds were not detected in the previous (2005) sample from MW-35. As shown on Table 3, low levels of carbon disulfide, chloroform, Freon-11, Freon-12, and bromodichloromethane were detected in the sample from MW-35. With the exception of Freon-11, none of these analytes were detected in the 2005 sample from MW-35.
- In MW-36, carbon disulfide and chloroform were detected at concentrations below GCLs. There are no historical data from MW-36 to compare with 2006 data.
- In MW-37, benzene, carbon disulfide, chloroform, 1,2-dichlorobenzene, and Freon-11 were detected at concentrations below GCLs. There are no historical data from MW-37 to compare with 2006 data.

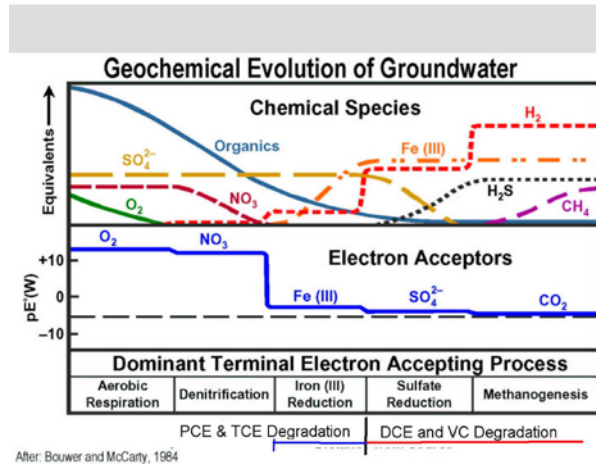
## ***MNA PARAMETER RESULTS AND ANALYSIS***

### ***Reductive Dechlorination***

The most important process for the natural biodegradation of the most highly-chlorinated solvents (PCE and TCE) is reductive dechlorination. During this process, the chlorinated hydrocarbon is used as an electron acceptor, and a chlorine atom is removed and replaced with a hydrogen atom. In general, reductive dechlorination occurs by sequential dechlorination from PCE to TCE to DCE to VC to ethene. Reductive dechlorination has been documented to occur under nitrate- and iron-reducing conditions, but the most rapid rates occur under sulfate-reducing and methanogenic conditions (Wiedemeier, et. al., 1998). Because chlorinated hydrocarbons are used as electron acceptors during reductive dechlorination, there must be an appropriate source of carbon for microbial growth in order for this process to occur. Potential carbon sources include natural organic matter, fuel hydrocarbons or other anthropogenic organic compounds.

The geochemical evolution of groundwater is shown on the diagram below. DO is the most thermodynamically favored electron acceptor used by microbes for the biodegradation of organic carbon. During aerobic respiration, DO concentrations decrease. After depletion of DO, anaerobic microbes will use nitrate as an electron

acceptor, followed by iron (and manganese, not shown on the diagram), sulfate, and finally carbon dioxide (methanogenesis). Each sequential reaction drives the ORP of the groundwater downward into the range within which reductive dechlorination can occur. PCE and TCE degradation can occur in less reducing (i.e., iron-reducing) groundwater than DCE and VC degradation (i.e., sulfate-reducing and methanogenic).



### 2006 MNA Parameter Results

MNA parameter results from 2006 are presented in Table 4, while Table 5 summarizes the relevance of the MNA parameters to the reductive dechlorination process. The 2006 MNA parameter results are summarized below and discussed with respect to the Table 5 information.

Groundwater pH is an environmental indicator that has an effect on the presence and activity of microbial populations, especially methanogens. The pH levels measured at the site ranged from 6.31 to 7.25. The pH levels in all of the monitoring wells were within the optimal range for the reductive pathway shown on Table 5.

Groundwater temperature directly affects the solubility of oxygen in water and the metabolic activity rate of bacteria. Oxygen solubility increases with decreasing water temperature, while the metabolic activity rate of bacteria decreases with decreasing water temperature. The temperature measured in site groundwater ranged from 0.67°C (MW-30R) to 5.24°C (MW-36). Although these temperatures are below both the 20°C threshold for accelerating biochemical processes and the 5°C temperature that tends to inhibit biodegradation (Table 5), these groundwater temperatures are typical for cold regions such as Fairbanks. Evidence from other cold region sites suggests that cold region bacteria are acclimated to colder groundwater temperatures, although their metabolic activity rates may be lower than those in warmer climates.

The conductivity measured in site groundwater ranged from 0.32 mS (MW-36) to 1.578 mS (MW-29R). Conductivity is a general water quality measurement; there are no threshold conductivity levels presented in Table 5.

The DO levels measured in site groundwater ranged from 0.08 mg/L (TW-2 at 25 ft bgs) to 2.24 mg/L (MW-34). Most (ten) of the monitoring wells had DO levels at or below the threshold level of 0.5 mg/L, indicating that the reductive pathway is not suppressed by

the presence of oxygen (Table 5). DO concentrations were greater than 1 mg/L in monitoring wells located furthest away from the contamination (i.e., MW-30R (upgradient), MW-34 (downgradient), and MW-37 (downgradient)).

The ORP levels measured in site groundwater ranged from -113 mV to 129 mV. Except at downgradient locations MW-34 and MW-35, the ORP values were all below 50 mV, indicating that the reductive pathway is possible (Table 5). At MW-11R (center of the contamination plume), the ORP was below -100 mV (at -113 mV), indicating that the reductive pathway is likely.

Very low nitrate levels were measured in site groundwater (between non-detect and 0.122 mg/L). A nitrate concentration of less than 1 mg/L is considered best for promotion of reductive dechlorination (Table 5).

The sulfate concentrations measured in site groundwater were 8.42 mg/L (MW-30R), 9.17 mg/L (MW-11R), and 19.2 mg/L (MW-35). A sulfate concentration below 20 mg/L is considered best for promotion of reductive dechlorination (Table 5).

The dissolved iron concentrations measured in site groundwater were 2.38 mg/L (MW-35), 9.78 mg/L (MW-30R), and 34 mg/L (MW-11R). The dissolved iron concentrations are well above the 1 mg/L threshold listed in Table 5, indicating that the reductive dechlorination pathway is possible.

The dissolved manganese concentrations measured in site groundwater were 1.54 mg/L (MW-30R), 1.61 mg/L (MW-35), and 3.83 mg/L (MW-11R). There are no manganese threshold levels provided in Table 5; however, manganese is similar to iron as an indication of redox conditions, in that elevated manganese concentrations are an indication of reducing groundwater conditions. Manganese reduction is favored at slightly more oxygenated conditions than iron reduction. The relatively elevated manganese concentration at MW-11R suggests more highly-reducing groundwater conditions, as compared to MW-30R and MW-35.

The chloride concentrations measured in site groundwater were 5.49 mg/L (MW-11R), 16 mg/L (MW-35), and 28.6 mg/L (MW-30R). This data does not support reductive dechlorination because chloride concentrations within the plume at MW-11R are less than the chloride concentrations in the upgradient well MW-30R. Given that the other MNA parameters are supportive of biodegradation, the chloride results are assumed to be insignificant.

The alkalinity concentrations measured in site groundwater were 396 mg/L (MW-35), 480 mg/L and 588 mg/L (MW-11R), and 672 mg/L (MW-30R). Alkalinity is a measure of the water's capacity to neutralize acid. It is important in the maintenance of groundwater pH, because it buffers the groundwater system against acids generated through both aerobic and anaerobic biodegradation processes. Alkalinity is generally expressed in terms of calcium carbonate ( $\text{CaCO}_3$ ). The alkalinity measured in MW-11R was intermediate between the alkalinities measured in the other two monitoring wells, suggesting that reductive dechlorination has not had a significant effect on the groundwater alkalinity. Although the threshold levels provided in Table 5 suggest that elevated alkalinities (greater than 2 times background) are potentially indicative of reductive dechlorination, OASIS has not observed increased alkalinities at other reductive dechlorination sites and considers this guideline to be of limited usefulness in the evaluation of reductive dechlorination.

#### 2006 MNA Parameter Analysis

The results of the 2006 MNA parameter sampling indicate that groundwater geochemistry in the vicinity of MW-11R is conducive to reductive dechlorination of PCE and TCE. The low DO and nitrate concentrations, elevated iron and manganese concentrations, and ORP level in MW-11R suggest that the groundwater geochemistry is manganese- and iron-reducing. The moderate sulfate concentrations in MW-11R (similar to MW-30R sulfate concentrations but less than MW-35 sulfate concentrations) do not provide definitive evidence of sulfate-reduction. The petroleum hydrocarbons detected at low levels in site monitoring wells probably are providing the organic carbon necessary for the reductive dechlorination to occur.

The groundwater geochemistry does not appear to be sufficiently reducing for reductive dechlorination of cis-DCE and VC (e.g., not sulfate-reducing; methanogenesis was not evaluated in the sampling event). However, the lack of cis-DCE and VC detections downgradient of MW-11R suggests that cis-DCE and VC are being oxidized as they move through groundwater.

## CONCLUSIONS

The conclusions from the 2006 characterization activities are summarized below.

- Analytes detected above GCLs in 2006 are summarized below:
  - MW-11R (15 feet bgs): PCE (14 µg/L; versus the 5 µg/L GCL), TCE (6 µg/L; versus the 5 µg/L GCL), cis-DCE (800 µg/L; versus the 70 µg/L GCL), and VC (3 µg/L; versus the 2 µg/L GCL)
  - MW-11R (25 feet bgs): PCE (10.5 µg/L; versus the 5 µg/L GCL), TCE (6.84 µg/L; versus the 5 µg/L GCL), cis-DCE (709 µg/L; versus the 70 µg/L GCL), and VC (2.66 µg/L; versus the 2 µg/L GCL)
  - MW-11R (at 35 feet bgs): PCE (7.81 µg/L; versus the 5 µg/L GCL) and cis-DCE (541 µg/L; versus the 70 µg/L GCL)
  - TW-1 (at 15 feet bgs): Benzene (8.04 µg/L; versus the 5 µg/L GCL)
  - TW-1 (at 25 feet bgs): Benzene (8.66 µg/L; versus the 5 µg/L GCL)
- The soil gas survey and groundwater monitoring data indicate that the contaminated area is limited to a relatively small area near MW-11R.
  - The soil gas survey showed that the area impacted by PCE and its degradation products is centered on soil gas point 45, which is just slightly east of MW-11R.
  - Groundwater monitoring data from TW-1 (located approximately 50 feet downgradient from MW-11R) confirmed that the area of groundwater impact above GCLs is limited to a small area around MW-11R. Only trace concentrations of PCE and its degradation products were detected in the three TW-1 samples (PCE less than 1 µg/L, cis-DCE less than 10 µg/L, and no detections of TCE and VC).
  - Groundwater monitoring data from cross-gradient well MW-36, upgradient wells MW-29R and MW-30R, and downgradient wells TW-2, MW-34, MW-35, and MW-37 showed no evidence of contamination (no PCE, TCE, or VC detections, and cis-DCE less than 2 µg/L).

- A comparison of 2006 data with historical data shows that the distribution and concentrations of VOCs in groundwater samples collected from the site were similar to those observed since 1999. Therefore, it appears that the plume is stable and has not changed significantly.
- The 2006 data from TW-1, TW-2, and MW-11R show no evidence of increasing contamination with depth, suggesting that there is no deep source area at the site.
- Future monitoring is required to determine whether the changes observed between 2005 and 2006 (i.e., decreasing total chlorinated ethene molar concentrations, decreasing contaminant concentrations at 35 feet bgs, decreasing benzene concentrations, and increasing PCE degradation product concentrations relative to PCE concentrations) represent trends or just natural fluctuation.
- The PDB sampling (performed in 2006) is considered a more accurate sampling technique for vertical profiling than low-flow interval sampling (performed in 2005) and is recommended for use in future monitoring events.
- The presence of PCE degradation products (cis-DCE and VC) in MW-11R and results of the 2006 MNA parameter sampling indicate that reductive dechlorination of the PCE to TCE, cis-DCE, and VC is occurring in the vicinity of MW-11R. The groundwater appears to be in the manganese- and iron-reducing geochemical range, in which PCE- and TCE-reductive dechlorination can occur. The groundwater geochemistry does not appear to be sufficiently reducing for cis-DCE and VC reduction; however, the lack of cis-DCE and VC downgradient of MW-11R suggest that these compounds are being readily oxidized.
- Overall, site data suggests that natural attenuation is effectively treating the contaminated groundwater detected in MW-11R. The PCE, TCE, cis-DCE, and VC plumes are not migrating downgradient and geochemical conditions appear to support the degradation of chlorinated ethenes in MW-11R.

## RECOMMENDATIONS

Based on the October-November 2006 sampling results, OASIS recommends that groundwater monitoring at this site be performed next in the fall of 2007. Specific recommendations for the monitoring event are outlined below.

- PDB sampling (for VOCs) at 15 ft bgs, 25 ft bgs, and 35 ft bgs should be performed at MW-11R to provide additional data for evaluating the vertical contamination profile in this well.
- VOC sample collection from cross-gradient wells MW-12 and MW-36 and downgradient wells MW-34, MW-35, and MW-37. If no VOCs are detected in these monitoring wells in 2007, then decreasing their monitoring frequency should be considered.
- MNA parameter sampling from MW-30R, MW-11R, and MW-35 to compare with the 2006 MNA parameter data. If the 2007 data are similar to the 2006 results, then a less-than-annual monitoring frequency for MNA parameters should be considered. All of the MNA parameters analyzed in 2006 should be included in

the 2007 MNA parameter sampling; in addition, total organic carbon (TOC) and methane analysis should be considered.

- Source characterization near MW-11R. An estimated five soil borings should be installed around the peak of PCE mass detected in the soil gas survey. Soil sampling should include a combination of field screening and confirmation analysis to determine the vertical extent and magnitude of PCE contamination.

## REFERENCES

Alaska Department of Environmental Conservation (DEC), 2004. Cleanup Level Guidance, January.

ADEC, 2006. Oil and Hazardous Substances Pollution Control Regulations (18 AAC 75), as amended through December 30, 2006.

Glass, R.L., Lilly, M.R., and D.F. Meyer, 1996, *Ground-water levels in an alluvial plain between the Tanana and Chena Rivers near Fairbanks, Alaska, 1986-93*: U.S. Geological Survey Water-Resources Investigations Report 96-4060, 39 p.

OASIS Environmental, 1999. *Expedited Site Assessment/Release Investigation Report, Fairbanks International Airport Fuel Hydrant Distribution System*. December.

OASIS Environmental, 2000. *September 2000 Annual Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. November.

OASIS Environmental, 2001a. *May 2001 Former Drainage Pond Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. June.

OASIS Environmental, 2001b. *September 2001 Annual Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. November.

OASIS Environmental, 2002. *September 2002 Annual Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. November.

OASIS Environmental, 2003. *August 2003 Annual Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. December.

OASIS Environmental, 2004. *August 2004 Former Drainage Pond Groundwater Monitoring: FIA Environmental Assessment & Cleanup – Fuel Hydrant System Contaminated Site Project*. October.

OASIS Environmental, 2005. *Further Characterization at Former Drainage Pond Area: Fairbanks International Airport*. December 5.

Ms. Kristen DuBois  
March 26, 2007  
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Please call if you have any questions regarding this report.

Respectfully submitted,

**OASIS Environmental, Inc.**



Ben Martich  
Project Manager



Max Schwenne  
Vice President

**TABLES:**

Table 1: Groundwater Elevation Data 11/1/2006 (in text)

Table 2: Groundwater Analytical Data for PCE and its Degradation Products and Benzene

Table 3: Groundwater Analytical Data for All Other Analytes Detected At Least Once

Table 4: Field-Screening and MNA Parameter Results

Table 5: MNA Parameter Significance for Reductive Dechlorination

**FIGURES:**

Figure 1: Site Plan

Figure 2: Groundwater Analytical Results

**ATTACHMENTS:**

A. Field Notes

B. Survey Data

C. GORE™ Surveys Final Report - Former Airport Drainage Pond, Fairbanks Int'l Airport, December 4, 2006.

D. Analytical Laboratory Data Report

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## Tables

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**TABLE 2**  
**Groundwater Analytical Data for PCE and its Degradation Products and Benzene**  
**Method EPA 8260B**

Results in micrograms per liter (µg/l)

FIA Former Drainage Pond Monitoring Wells  
Fairbanks, Alaska

Sample ID:	Sample Date:	Benzene	Vinyl Chloride	1,1-Dichloroethene	cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Total Chlorinated Ethenes (mM/L)
MW-10	08/11/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	05/21/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-11	08/11/99	ND (1.0)	1.2	ND (1.0)	<b>76.1</b>	ND (1.0)	ND (1.0)	ND (1.0)	8.0E-01
	09/18/00	ND (1.0)	1.84	ND (1.0)	<b>230</b>	1.25	<b>12.9</b>	<b>38</b>	2.7E+00
	05/21/01	1.27	<b>4.74</b>	ND (1.0)	<b>670</b>	3.82	<b>7.00</b>	2.79	7.1E+00
QC	5/21/2001 <sup>D</sup>	1.38	ND (1.0)	ND (1.0)	<b>679</b>	3.95	<b>7.02</b>	2.83	7.1E+00
	09/27/01	1.30	<b>3.47</b>	1.25	<b>566</b>	3.83	<b>38.6</b>	<b>80.4</b>	6.7E+00
	08/15/02	1.23	ND (1.0)	ND (1.0)	<b>195</b>	2.68	3.80	ND (1.0)	2.0E+00
	08/27/03	0.93	<b>7.92</b>	1.22	<b>822</b>	11.8	<b>24.8</b>	<b>17.1</b>	8.9E+00
QC	8/27/2003 <sup>D</sup>	0.89	<b>8.82</b>	1.48	<b>792</b>	14.1	<b>28.1</b>	<b>22.9</b>	8.7E+00
	08/27/04	0.95	<b>2.44</b>	ND (1.0)	<b>150</b>	1.17	ND (1.0)	3.74	1.6E+00
QC	8/27/2004 <sup>D</sup>	0.95	<b>2.13</b>	ND (1.0)	<b>134</b>	1.18	ND (1.0)	3.60	1.4E+00
MW-11 drive point well replaced with MW-11R 2" PVC well with 30' screen to 34.5' bgs on August 12, 2005									
MW-11R @ 15'	09/27/05	<b>8.0</b>	0.82	1.2	<b>630</b>	3.2	<b>15</b>	<b>31</b>	6.8E+00
	11/02/06	4.51	<b>3.00</b>	2.17	<b>800</b>	7.52	<b>6.28</b>	<b>13.6</b>	8.4E+00
MW-11R @ 25'	09/27/05	<b>9.5 H</b>	<b>5.3 H</b>	ND (2.5) H	<b>630</b>	3.8 H	<b>14 H</b>	<b>27 H</b>	6.9E+00
	11/02/06	4.3	<b>2.66</b>	2.07	<b>709</b>	8.28	<b>6.84</b>	<b>10.5</b>	7.5E+00
MW-11R @ 34.5'	09/27/05	<b>8.9 H</b>	<b>6 H</b>	ND (2.5) H	<b>930</b>	6.2 H	<b>18 H</b>	<b>34 H</b>	1.0E+01
QC	9/27/2005 <sup>D</sup>	<b>9 H</b>	<b>5.9 H</b>	ND (2.5) H	<b>940</b>	5.6 H	<b>18 H</b>	<b>31 H</b>	1.0E+01
	11/02/06	3.44	1.95	1.49	<b>541</b>	5.36	4.58	<b>7.81</b>	5.7E+00
QC	11/2/2006 <sup>D</sup>	3.36	<b>2.03</b>	1.58	<b>550</b>	5.69	4.83	<b>8.29</b>	5.8E+00
MW-12	08/11/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.03	1.2E-02
	09/18/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.48	1.5E-02
	05/21/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.58	9.5E-03
	09/27/01	ND (0.5)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.29	1.4E-02
	08/15/02	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.94	1.2E-02
	08/27/03	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	08/27/04	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3.80	2.3E-02
	09/27/05	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	0.0E+00
	11/01/06	0.47	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.78	1.7E-02
MW-29	08/11/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	05/21/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	09/27/05	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	0.0E+00
MW-29 replaced with MW-29R 1.5" PVC well with 10' screen to 18' bgs on October 29, 2006									
MW-29R	11/01/06	2.69	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-30	08/11/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-30 replaced with MW-30R 1.5" PVC well with 10' screen to 18.2' bgs on October 28, 2006									
MW-30R	11/02/06	0.39J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-34	08/27/03	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	08/27/04	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
	09/27/05	ND (5.0)	ND (0.5)	ND (5.0)	ND (5.0)	ND (5.0)	ND (0.5)	ND (0.5)	0.0E+00
	11/02/06	ND (0.400)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-35	09/27/05	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.0E+00
	11/02/06	0.25J	ND (1.0)	ND (1.0)	0.33J	ND (1.0)	ND (1.0)	ND (1.0)	3.4E-03
QC	11/02/06 <sup>D</sup>	0.31J	ND (1.0)	ND (1.0)	0.34J	ND (1.0)	ND (1.0)	ND (1.0)	3.5E-03
MW-36	10/29/06	ND (0.400)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
MW-37	11/01/06	0.38J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
TW1-15	10/29/06	<b>8.04</b>	ND (1.0)	ND (1.0)	9.34	ND (1.0)	ND (1.0)	ND (1.0)	9.6E-02
TW1-25	10/29/06	<b>8.66</b>	ND (1.0)	ND (1.0)	1.01	ND (1.0)	ND (1.0)	0.32J	1.2E-02
TW1-25 (QC)	10/29/2006 <sup>D</sup>	<b>8.68</b>	ND (1.0)	ND (1.0)	1.02	ND (1.0)	ND (1.0)	0.42J	1.3E-02
TW1-35	10/29/06	0.26J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
TW2-15	10/29/06	1.97	ND (1.0)	ND (1.0)	0.86J	ND (1.0)	ND (1.0)	ND (1.0)	8.9E-03
TW2-25	10/29/06	1.14	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
TW2-35	10/29/06	0.57	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0E+00
Trip blank	08/11/99	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	

**TABLE 2**  
**Groundwater Analytical Data for PCE and its Degradation Products and Benzene**  
**Method EPA 8260B**

Results in micrograms per liter (µg/l)

FIA Former Drainage Pond Monitoring Wells  
Fairbanks, Alaska

Sample ID:	Sample Date:	Benzene	Vinyl Chloride	1,1-Dichloroethene	cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Total Chlorinated Ethenes (mM/L)
	09/01/00	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	05/21/01	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	09/27/01	ND (0.5)	ND (2.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	08/15/02	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	08/27/03	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	08/27/04	ND (0.4)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
	09/27/05	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	
	11/02/06	ND (0.400)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
<b>GCL (µg/L)</b>		<b>5</b>	<b>2.0</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>5.0</b>	<b>5.0</b>	<b>NA</b>

**Notes:**

GCL = 18 AAC 75 Table C Cleanup Level or calculated cleanup level using Eqn. 1 of ADEC Cleanup Levels Guidance.

Bold values indicate values that are above the analyte's GCL

µg/l = micrograms per liter

"ND" = Not detected above the laboratory method reporting limit shown in parentheses.

"NR" = Analyte results not reported

D = Duplicate of preceeding sample

H = Hold time exceeded for this analyte.

**TABLE 3**  
**Groundwater Analytical Data for All VOCs Detected At Least Once (except those shown in Table 2)**  
**Method EPA 8260B**  
 Results in micrograms per liter (µg/l)  
 FIA Former Drainage Pond Monitoring Wells  
 Fairbanks, Alaska

Sample ID:	Sample Date:	Acetone	Carbon Disulfide	Chlorobenzene	Chloroform	sec-Butylbenzene	n-Propylbenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	Isopropylbenzene	Methylene Chloride	2-Butanone (MEK)	Naphthalene	Ethylbenzene	Toluene	Xylenes	Trichlorofluoromethane (Freon-11)	Bromodichloromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
MW-10	08/11/99	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				1.08		ND (1.0)	ND (1.0)
	05/21/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
MW-11	08/11/99	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	09/18/00	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		2				ND (1.0)		ND (1.0)	ND (1.0)
	05/21/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
QC	5/21/2001 <sup>D</sup>	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	09/27/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/15/02	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/27/03	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
QC	8/27/2003 <sup>D</sup>	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/27/04	26.8	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
QC	8/27/2004 <sup>D</sup>	30.9	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
MW-11 drive point well replaced with MW-11R 2" PVC well with 30' screen to 34.5' bgs on August 12, 2005																						
MW-11R @ 15'	09/27/05	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		3.4	ND (0.5)	ND (0.5)	ND (0.5)	3.0	ND (1.0)		ND (0.5)				2.2		ND (0.5)	1.4
	11/02/06	NR	1.67J	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	0.65J	ND (5.0) J	ND (10.0)	ND (2.0)	ND (1.0)	2.19	ND (2.0)	1.43	ND (0.500)	ND (1.0)	ND (1.0)
MW-11R @ 25'	09/27/05	ND (5.0) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H		ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	3.7 H	ND (2.5) H		ND (2.5) H				5.8 H		ND (2.5) H	ND (2.5) H
	11/02/06	NR	0.63J	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	0.74J	ND (1.0)	ND (0.500)	ND (1.0)	0.61J	1.36J	ND (10.0)	ND (2.0)	ND (1.0)	2.34	ND (2.0)	1.13	ND (0.500)	ND (1.0)	ND (1.0)
MW-11R @ 34.5'	09/27/05	ND (5.0) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H		ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	3.1 H	ND (2.5) H		ND (2.5) H				5.7 H		ND (2.5) H	ND (2.5) H
QC	9/27/2005 <sup>D</sup>	ND (5.0) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H		ND (2.5) H	ND (2.5) H	ND (2.5) H	ND (2.5) H	3.3 H	ND (2.5) H		ND (2.5) H				5.4 H		ND (2.5) H	ND (2.5) H
	11/02/06	NR	0.89J	ND (0.500)	0.32J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	0.39J	1.59J	40.3	0.79J	ND (1.0)	2.74	1.39J	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
QC	11/2/2006 <sup>D</sup>	NR	ND 2.0	ND (0.500)	0.35J	ND (1.0)	ND (1.0)	0.59J	ND (1.0)	ND (0.500)	ND (1.0)	0.34J	ND (1.0)	42.4	ND (1.0)	ND (1.0)	2.74	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
MW-12	08/11/99	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		33.3	1.00	7.79	9.96	ND (1.0)	ND (1.0)		1.71				7.46		5.69	2.49
	09/18/00	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		137	2.32	22.7	14.2	ND (1.0)	ND (1.0)		4.12				87.5		ND (1.0)	ND (1.0)
	05/21/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)		343	6.5	68.7	20.1	1.52	ND (1.0)		10.3				4.34		ND (5.0)	ND (5.0)
	09/27/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		93.7	1.95	18.9	9.85	ND (1.0)	ND (1.0)		4.08				68.7		ND (1.0)	ND (1.0)
	08/15/02	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		31.5	1.11	6.66	15.1	ND (1.0)	ND (1.0)		ND (2.0)				7.80		ND (1.0)	ND (1.0)
	08/27/03	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		7.07	ND (1.0)	2.17	4.73	ND (1.0)	ND (1.0)		ND (2.0)				55.5		ND (1.0)	ND (1.0)
	08/27/04	ND (10.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.18		345	7.64	71.6	33.2	ND (1.0)	ND (1.0)		14.6				28.7		ND (1.0)	ND (1.0)
	09/27/05	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)		250	ND (5.0)	47	9.8	ND (5.0)	ND (5.0)		8.2				37		ND (5.0)	ND (5.0)
	11/01/06	NR	ND (2.0)	ND (0.500)	0.64J	1.62	ND (1.0)	224	6.67	61	7.39	0.49J	ND (5.0) J	ND (10.0)	14.5	ND (1.0)	ND (1.0)	ND (2.0)	5.61	ND (0.500)	ND (1.0)	ND (1.0)
MW-29	08/11/99	NR	ND (1.0)	2.95	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	05/21/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	1.34
	09/27/05	ND (5.0)	6.8	ND (5.0)	ND (5.0)	ND (5.0)		60	ND (5.0)	12	ND (5.0)	ND (5.0)	ND (5.0)		ND (5.0)				7.4		ND (5.0)	ND (5.0)
MW-29 replaced with MW-29R 1.5" PVC well with 30' screen to 18' bgs on October 29, 2006																						
MW-29R	11/01/06	NR	ND (2.0)	ND (0.500)	7.15	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0) J	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	1.04J	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
MW-30	08/11/99	NR	ND (1.0)	1.98	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	1.22	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
MW-30 replaced with MW-30R 1.5" PVC well with 10' screen to 18.2' bgs on October 28, 2006																						
MW-30R	11/02/06	NR	ND (2.0)	2.39	8.26	ND (1.0)	ND (1.0)	ND (1.0)	0.32J	0.87	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	1.36	0.69J	5.69	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
MW-34	08/27/03	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				3.19		ND (1.0)	ND (1.0)
	08/27/04	ND (10.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				7.48		ND (1.0)	ND (1.0)
	09/27/05	ND (5.0)	ND (5.0)	ND (5.0)	20	ND (5.0)		ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (0.5)	0.62		ND (0.5)				28		ND (0.5)	ND (0.5)
	11/02/06	NR	ND (2.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	4.46	ND (0.500)	ND (1.0)	ND (1.0)
MW-35	09/27/05	ND (5.0)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)				9.2		ND (0.5)	ND (0.5)
	11/02/06	NR	0.86J	ND (0.500)	11.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	0.35J	ND (1.0)	ND (5.0) J	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	34.5	0.25J	ND (1.0)	ND (1.0)
QC	11/02/06 <sup>D</sup>	NR	0.74J	ND (0.500)	11.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	0.35J	ND (1.0)	ND (5.0) J	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	34.5	0.28J	ND (1.0)	ND (1.0)
MW-36	10/29/06	NR	1.51J	ND (0.500)	3.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
MW-37	11/01/06	NR	1J	ND (0.500)	3.95	ND (1.0)	ND (1.0)	0.99J	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0) J	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	1.2	ND (0.500)	ND (1.0)	ND (1.0)
TW1-15	10/29/06	NR	ND (2.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	0.53J	ND (1.0)	ND (0.500)	ND (1.0)	0.39J	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
TW1-25	10/29/06	NR	ND (2.0)	ND (0.500)	ND (1.0)	0.32J	1.11	3.51	ND (1.0)	ND (0.500)	ND (1.0)	2.95	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	6.07	ND (0.500)	ND (1.0)	ND (1.0)
TW1-25 (QC)	10/29/2006 <sup>D</sup>	NR	ND (2.0)	ND (0.500)	ND (1.0)	0.42J	1.31	3.88	ND (1.0)	ND (0.500)	ND (1.0)	3.34	ND (5.0)	ND (10.0)	0.74J	ND (1.0)	ND (1.0)	ND (2.0)	5.75	ND (0.500)	ND (1.0)	ND (1.0)
TW1-35	10/29/06	NR	1.52J	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	0.41J	ND (0.500)	ND (1.0)	ND (1.0)
TW2-15	10/29/06	NR	0.7J	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
TW2-25	10/29/06	NR	ND (2.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	1.29	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)			

**TABLE 3**  
**Groundwater Analytical Data for All VOCs Detected At Least Once (except those shown in Table 2)**  
**Method EPA 8260B**  
 Results in micrograms per liter (µg/l)  
 FIA Former Drainage Pond Monitoring Wells  
 Fairbanks, Alaska

Sample ID:	Sample Date:	Acetone	Carbon Disulfide	Chlorobenzene	Chloroform	sec-Butylbenzene	n-Propylbenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	Isopropylbenzene	Methylene Chloride	2-Butanone (MEK)	Naphthalene	Ethylbenzene	Toluene	Xylenes	Trichlorofluoromethane (Freon-11)	Bromodichloromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Trip blank	08/11/99	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	09/01/00	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	05/21/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)				ND (1.0)		ND (1.0)	ND (1.0)
	09/27/01	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/15/02	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/27/03	NR	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	08/27/04	ND (10.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)		ND (1.0)	ND (1.0)	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)		ND (2.0)				ND (1.0)		ND (1.0)	ND (1.0)
	09/27/05	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)				ND (0.5)		ND (0.5)	ND (0.5)
	11/02/06	NR	0.8J	ND (0.500)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)	ND (5.0)	ND (10.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (0.500)	ND (1.0)	ND (1.0)
<b>GCL (µg/L)</b>		<b>3,650</b>	<b>3,650</b>	<b>100</b>	<b>100</b>	<b>1460</b>	<b>1460</b>	<b>600</b>	<b>1,100</b>	<b>75</b>	<b>7,300</b>	<b>3,650</b>	<b>5</b>	<b>22,000</b>	<b>1,460</b>	<b>700</b>	<b>1,000</b>	<b>10,000</b>	<b>10,950</b>	<b>100</b>	<b>1,850</b>	<b>1,850</b>

Notes:  
 GCL = 18 AAC 75 Table C Cleanup Level or, if no cleanup level is provided in Table C, calculated cleanup level using Eqn. 1 of ADEC Cleanup Levels Guidance.  
 Bold values indicate values that are above the analyte's GCL  
 µg/l = micrograms per liter  
 "ND" = Not detected above the laboratory method reporting limit shown in parentheses.  
 "NR" = Analyte results not reported  
<sup>D</sup> = Duplicate of preceding sample  
 H = Hold time exceeded for this analyte.

**TABLE 4**  
**Groundwater Analytical Data for MNA Parameters**  
**Method EPA 8260B**  
 Results in micrograms per liter (µg/l)  
 FIA Former Drainage Pond Monitoring Wells  
 Fairbanks, Alaska

Well	Date	pH	Temp (°C)	Conductivity	DO (mg/L)	ORP (mV)	Ferrous Iron (mg/L)	Manganese (mg/L)	Dissolved Iron (mg/L)	Sulfate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Alkalinity (mg/L)
MW-11R	01/05/1900	6.65	3.29	0.994	0.18	-113	2.8	3.83	34	9.17	0.122	5.49	480/588
MW-12	11/01/2006	well pumped dry-no readings											
MW-29R	11/01/2006	6.83	3.97	1.578	0.49	-106							
MW-30R	11/02/2006	7.15	0.67	0.793	1.49	-78	2.9	1.54	9.78	8.42	ND (0.1)	28.6	672
MW-34	11/02/2006	6.31	3.79	1.024	2.24	129							
MW-35	11/02/2006	4.97*	4.31	0.79	0.55	89.3	1.9	1.61	2.38	19.2	0.07J	16	396
MW-35 dup (MW-20)	11/02/2006							1.54	2.38	19.8	0.12	16.9	376
MW-36	10/29/2006	6.87	5.24	0.32	0.23	-107							
MW-37	11/01/2006	7.25	4.05	0.723	1.09	-134							
TW-1 @ 15'	10/29/2006	4.9*	4.44	0.684	0.25	-27.4							
TW-1 @ 25'	10/29/2006	5.58*	3.38	0.641	0.13	-52.4							
TW-1 @ 35'	10/29/2006	6.88	3.2	0.471	0.2	-98							
TW-2 @ 15'	10/29/2006	6.79	3.51	0.693	0.13	-104							
TW-2 @ 25'	10/29/2006	7	2.66	0.551	0.08	-112.4							
TW-2 @ 35'	10/29/2006	7.04	2.1	0.483	0.22	-107							

\*pH readings are considered inaccurate. The pH meter was not functioning properly first thing in the morning for this project.

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**Table 5: MNA Parameter Significance for Reductive Dechlorination**

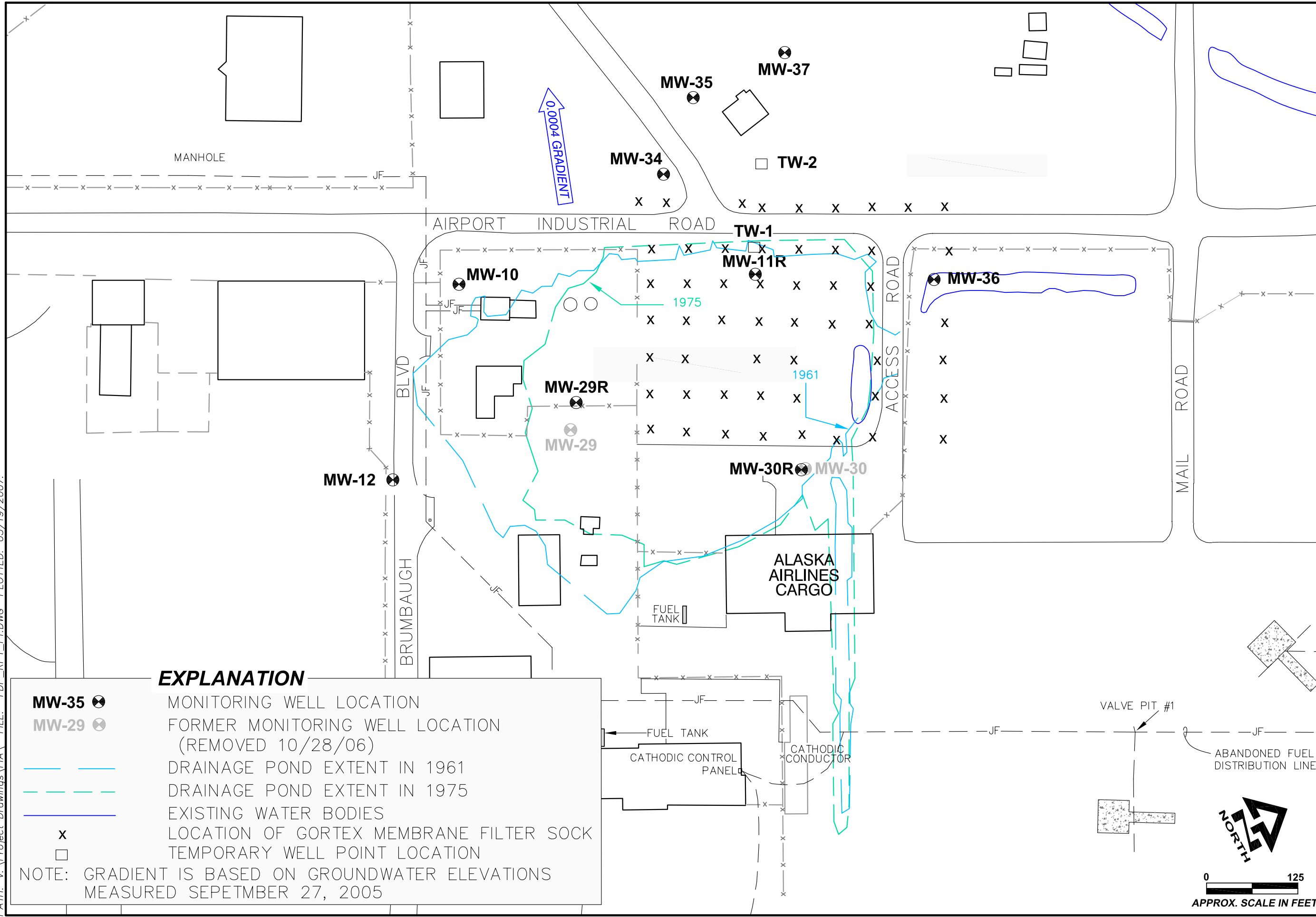
Parameter	Description	Threshold Level (Wiedemeier et al., 1998)	Significance of Threshold Level
<i>Geochemical Indicators of Natural Attenuation</i>			
pH	pH is a measure of the acidity or alkalinity of the groundwater.	5<pH<9	Optimal range for reductive pathway
Temperature	Groundwater temperature affects the metabolic rate of bacteria. Groundwater temperatures less than 5°C tend to inhibit biodegradation. Biodegradation rates typically double for every 10°C increase in water temperature.	> 20°C	Biochemical process accelerated
DO	Depressed DO levels indicate that the reductive pathway is possible	< 0.5 mg/L	Reductive pathway is not suppressed.
ORP	ORP is an indicator of oxidation potential (aerobic) or reductive potential (anaerobic) of the groundwater system.	< 50 mV < -100 mV	Reductive pathway possible Reductive pathway likely
Nitrate	After DO has been depleted, nitrate may be used as an electron acceptor for anaerobic biodegradation.	< 1 mg/L	At higher concentrations nitrate may compete with reductive pathway
Sulfate	After DO and nitrate have been depleted in the treatment zone, sulfate may be used as an electron acceptor for anaerobic biodegradation (sulfate reduction).	< 20 mg/L	At higher concentrations may compete with reductive pathway
Dissolved iron (ferrous iron)	Ferrous iron (iron II) is produced when ferric iron (iron III) is used as an electron acceptor during anaerobic biodegradation.	>1 mg/L	Indicative that reductive pathway is possible
Chloride	Daughter product of organic chlorine	>2X background	Indicative that reductive dechlorination may be occurring.
Alkalinity	Results from interaction of carbon dioxide with aquifer materials	>2X background	Indicative that reductive dechlorination may be occurring.
Methane	The presence of methane in groundwater is indicative of strongly reducing conditions. Methanogenesis generally occurs after the oxygen, nitrate, and sulfate have been depleted in the treatment zone.	> 0.5 mg/L	Indicative that reductive pathway is likely but may also compete with reductive dechlorination process
Ethane, ethene	Produced during reductive dechlorination	> 0.01 mg/L	Indicative that reductive pathway is likely
TOC	Carbon is the energy source that drives reductive dechlorination.	> 20 mg/L	Energy source needed to drive reductive dechlorination

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## Figures

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**EXPLANATION**

- MW-35
- MW-29
- DRAINAGE POND EXTENT IN 1961
- DRAINAGE POND EXTENT IN 1975
- EXISTING WATER BODIES
- x LOCATION OF GORTEX MEMBRANE FILTER SOCK
- TEMPORARY WELL POINT LOCATION

NOTE: GRADIENT IS BASED ON GROUNDWATER ELEVATIONS MEASURED SEPTEMBER 27, 2005



FIGURE  
**1**

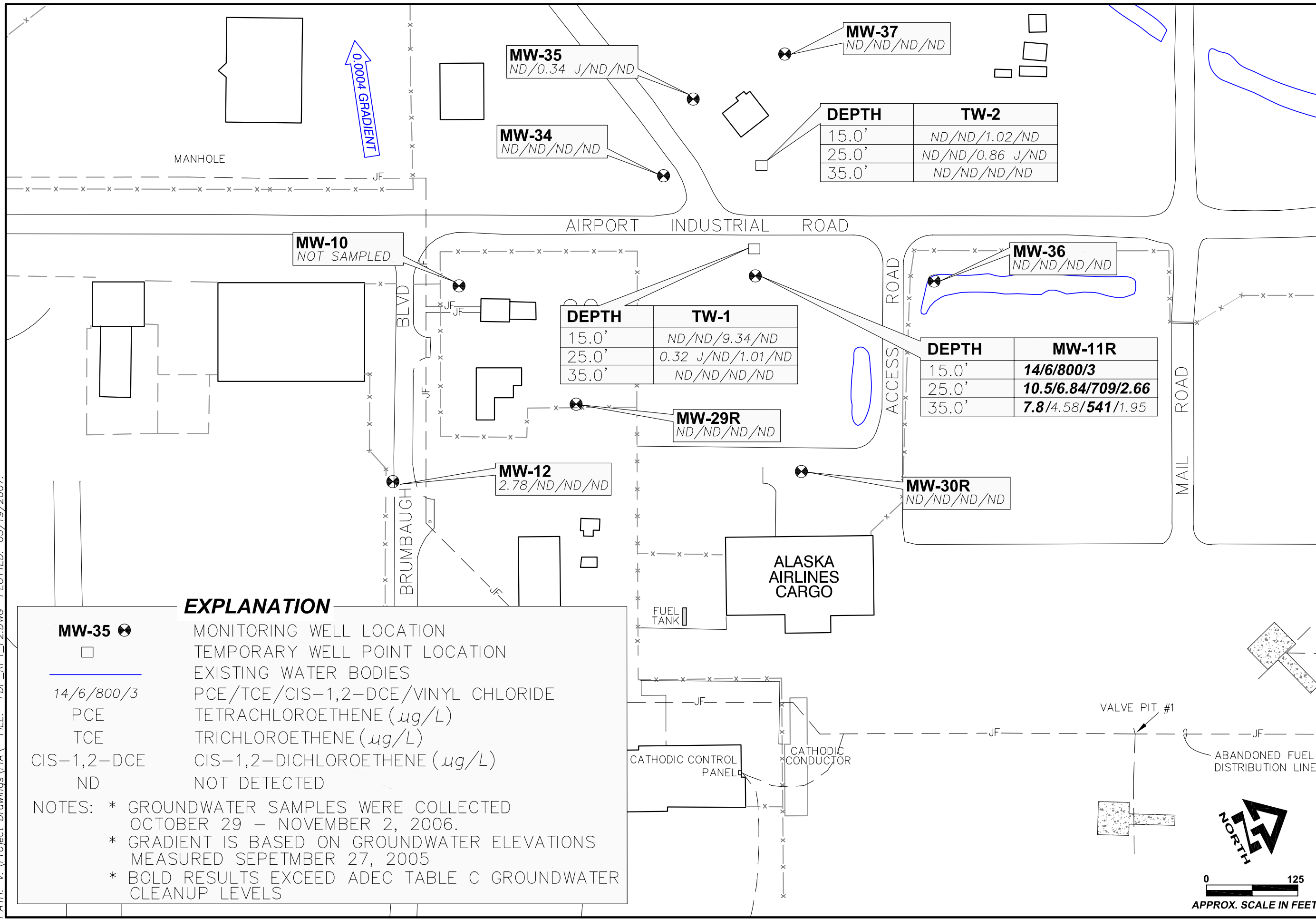
**SITE PLAN**  
FAIRBANKS INTERNATIONAL AIRPORT  
FORMER DRAINAGE POND AREA  
Fairbanks, Alaska

**Basix**  
ENVIRONMENTAL  
825 W. 8TH AVE, SUITE 200  
ANCHORAGE, ALASKA 99501

DATE: MAR. 2007  
CHKD:  
B.M.:  
DRAWN: J.A.A.  
PROJ. NO: 95-017

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PATH: V:\Project Drawings\FIA\FILE: FDP\_RPT\_F2.DWG PLOTTED: 03/19/2007.



**EXPLANATION**

- MW-35** MONITORING WELL LOCATION
  - TEMPORARY WELL POINT LOCATION
  - EXISTING WATER BODIES
  - 14/6/800/3 PCE/TCE/CIS-1,2-DCE/VINYL CHLORIDE
  - PCE TETRACHLOROETHENE ( $\mu\text{g/L}$ )
  - TCE TRICHLOROETHENE ( $\mu\text{g/L}$ )
  - CIS-1,2-DCE CIS-1,2-DICHLOROETHENE ( $\mu\text{g/L}$ )
  - ND NOT DETECTED
- NOTES: \* GROUNDWATER SAMPLES WERE COLLECTED OCTOBER 29 – NOVEMBER 2, 2006.  
 \* GRADIENT IS BASED ON GROUNDWATER ELEVATIONS MEASURED SEPTEMBER 27, 2005  
 \* BOLD RESULTS EXCEED ADEC TABLE C GROUNDWATER CLEANUP LEVELS

FIGURE **2**

**GROUNDWATER ANALYTICAL RESULTS**

FAIRBANKS INTERNATIONAL AIRPORT  
FORMER DRAINAGE POND AREA  
Fairbanks, Alaska

**basis**  
ENVIRONMENTAL  
825 W. 8TH AVE, SUITE 200  
ANCHORAGE, ALASKA 99501

DATE	MAR. 2007
CHKD	
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	95-017

DATE: MAR. 2007  
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 DRAWN:  
 J.A.A.:  
 PROJ. NO: 95-017

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**ATTACHMENT A:  
Field Notes**

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CONTENTS

PAGE

REFERENCE	DATE
Kenn Rogers 223-9856 cell	
Kris Dubois 474-2582	
347-6538 cell	
Julie Ahon 458-8270	
388-4273 cell	
Andre Brown 415-648-0438	

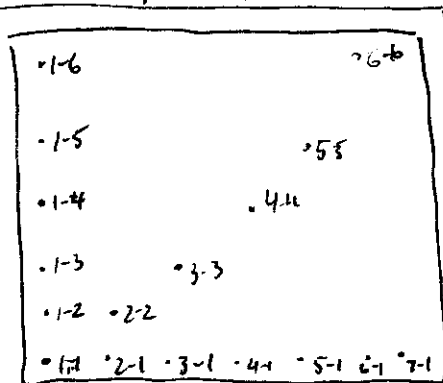
①

Former Drainage Pond

10/12/06

0750 Metchik arrives at the site to lay out sample grid for the GDRE soil gas probes. Need to deploy 60 modules over a 400x400 ft area w/ 50 ft spacing between modules. Many areas will not have coverage. The numbering system will be on a traditional x-y axis with the origin being in SW corner if Alaska Air Cargo is south + Airport Industrial Road is north. For instance:

Airport Industrial



Alaska  
Air  
Cargo

*Ben Monty*

10/12/06

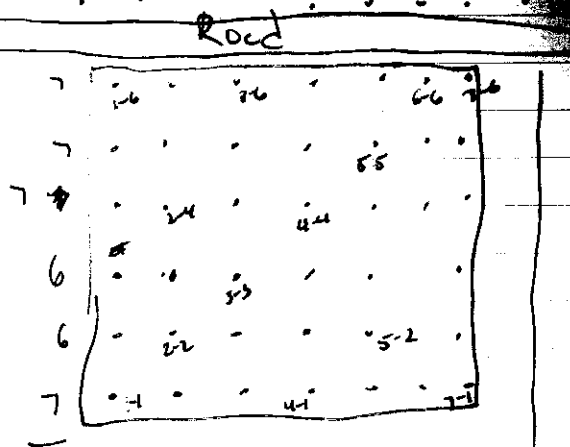
10/12/06

## Former Drainage Pond

③

## Former Drainage Pond

10/12/06

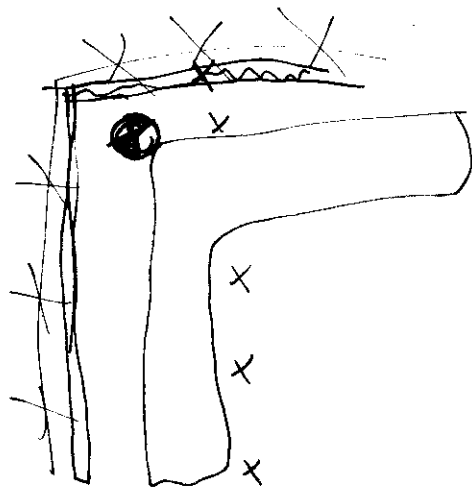
$$\begin{array}{r} 145 \\ 12 \\ \hline 530 \\ 168 \\ \hline 1980 \end{array}$$


40

49 + 6 from inside security area  
55 probes in ground

1025 Athan + Murtal depart site after having  
staked out 49 locations. Six more need to  
be done inside security area.

*[Signature]*  
10/12/06



We to put samples in the (2)  
Where to put soil gas modules in the  
secured area

*[Signature]* 10/12/06

10/12/06

Former Drainage Pond

1625 Metchik arrives at Drainage Pond site.

Awaiting Geotek to arrive to begin installation of soil gas modules

Plan is to install modules across the x-axis and then move up the y-axis.

See GORE log for installation notes.

1830 Geotek to 1-inch pipe on GeoProbe is too big, Geotek will get 3/4-inch pipe tonight and we will try each tomorrow.

*Be Metchik*  
10/12/06

⑤

Former Drainage Pond

10/13/06

0755 Metchik arrives at site, awaiting arrival of Athan and Geotek. When they're all here, we'll get badges for the security area and put in those modules first.

0830 obtained temporary road permits & badges. Begin digging 3 foot holes on non-security area. Athan will install + Metchik will document. See GORE log.

Note: Metchik holds safety meeting for OASIS + Geotek prior to start

(1-1)	(2-1)	(3-1)	(4-1)	(5-1)	(6-1)	(7-1)
(1-2)	(2-2)	(3-2)	(4-2)	(5-2)	<del>(6-2)</del>	(7-2)
(1-3)	(2-3)	(3-3)	(4-3)	(5-3)	X	(7-3)
(1-4)	(2-4)	(3-4)	(4-4)	(5-4)	(6-4)	(7-4)
(1-5)	(2-5)	(3-5)	(4-5)	(5-5)	(6-5)	(7-5)
(1-6)	(2-6)	(3-6)	(4-6)	(5-6)	(6-6)	(7-6)
(0.5-7)	(1.5-7)	(3.5-7)	(4-7)	(5-7)	(6-7)	(7-7)
(8-7)	(9-1)	(9-2)	(9-3)	(9-4)	X	(9-6)

1130 GeoProbe has broken down. Believe that fuel pump is out. Geotek will repair.

1230 Geotek informs me that the fuel pump is out and the soonest they will be able to have it running is Saturday ~ 24 hours.

*Be Metchik*  
10/13/06

10/13/06

Former Drainage Pond

1300 Make decision to try to manually drive 3-foot borings using a drill 6-7 and rotary hammer drill.

1445 Able to drill 7 borings before the hammer drill burns out. The unit that we rented is simply under-powered. First 18 inches is easy, but the second 18 inches is a chore. Some of the ~~the~~ Most of seven borings installed only go to 30 inches not a full 36 inches.

1500 Call Kris Dubois and inform her of the status of the soil gas installation. We will complete installation on Tuesday or Wednesday next week. 24 borings remain to be installed; 30 have already been installed.

Other notes: GeoTek was using a 1/2 inch pipe to install borings. OASIS used a 7/8-inch drill bit. Need to check with GORE about the different days of installation. Do we need to retrieve them on different days so they are all in the ground the same amount of time.

*B. Mart*  
10/13/06

⑦

Former Drainage Pond

10/20/06

- 1415 Meet at site w/GeoTek to finish soil gas module deployment. Please see GORE logs for details.
- 1615 Finish the 19 borings outside the secured area. Need to get 5 more inside secured area. Awaiting JA for escort.
- 1650 JA arrives. Enter secured area through Alaska Airlines Cargo.
- 1730 Finish deployment of soil gas probes. 54 placed out. GeoTek installed 47 of them. Depart site.

*B. Mart*  
10/20/06

10/26/06

Former Drainage Pond

1400 BM deploys POBs in MW-1R POB  
set at approximately 15 ft, 25 ft, and  
35 ft below TOC. Need to stay deployed  
for at least one week. Therefore, retrieve  
no sooner than 11/2.

*Ben Math*  
10/26/06

⑨

Former Drainage Pond

10/28/06

- 0830 BM arrives at site
- 0840 GeoTek arrives at site. They begin to  
warm up Geoprobe
- 0850 BM conducts HSE meeting for the day.  
Attended by Kevin Rogers and Chris  
Bizzillon of GeoTek and JA of OAKS.
- 0930 Arrived at drilling location to install MW-36  
Unloading Geoprobe rig from trailer
- 1000 Setting up at staked location
- 1015 Beginning to drill
- 1030 Installed 10' pre-packed screen.
- 1045 GeoTek attempting to lower 2" PVC pipe.  
Cannot lower to full depth (20') due to  
influx of sediment from bottom of hole.  
Need hydraulic pressure; do not have  
enough water, and so well will be pulled,  
then re-installed after we leave site  
to get more water.
- 1105 Left secure area. GeoTek getting water  
while JA waits at Gate 28.  
GeoTek
- 1135 GeoTek back on site
- 1205 Reinstalled 10' well screen
- 1230 Completed well installation. Installing  
monument. ~10 gallons of water used  
to fill rod — JA 10/28/06

10/28/06 Former Drainage Pond  
3" thick silt trap is at bottom of well.  
Screened interval therefore begins 3"  
above well bottom.  
Total well depth (from TOC): 19.97  
DTW: 8.72

1305 Leaving secure area

1310 Lunch break

1410 GeoTek back on site. Setting up at  
MW-30. Will decommission and then install  
new well.

1420 JA conducting survey of soil gas grid. Pin flag  
is missing from the following points:  
@ 3-2  
@ 5-5

Will use metal detector when removing Gore Modules.

1445 GeoTek having difficulty removing steel pipe  
due to pipe diameter (incompatible w/ tools)

1500 Well removed

1510 Spray painted location of new well, MW-30R, ~5  
feet southwest of former location (same  
distance from Air Cargo bldg).

1515 Beginning to drill hole for MW-30R. Difficult  
to penetrate through asphalt

1530 Discovered concrete under asphalt. Penetrated  
~10" below surface so far. Very slow going

JA 10/28/06

10/28/06

Former Drainage Pond  
JA, 10/28/06

1555 Penetrated all of concrete, which is at least a foot  
thick.

1645 Completed well installation. 10' pre-packed  
screen placed at bottom of well.  
Total depth: 18.22 Note: previous pipe was 16'

Depth to water: 8.80

Concrete pad partially complete;  
GeoTek ran out of concrete, will  
return tomorrow to finish.

1725 Arrived at MW-29. Beginning to  
pull.

1735 Successfully pulled MW-29. Pipe is 16.0'  
in length.

1745 BM left site

1755 GeoTek & JA leaving site.

1820 JA returned to office to park truck.  
End of day

JA, 10/28/06



10/25/06

Former Drainage Pond

(12)

0755 BM arrives at site and identifies location for MW-29R.

0800 Geotek arrives at site. Warming up Geolabe to replace MW-29R. HSE site meeting conducted by BM.

0900 Geotek drops MW-29R into bany. Depth is approximately 18 feet, 10 foot screen. 3-inch sump at bottom of well. Well diameter is 1.5-inch. Well depth is  $\frac{20.3}{-1.5}$  18.8 ft.

0915 BM stakes the two locations for a temporary well points to the northwest of MW-11R. The second point will be between the two proposed locations on Fig 2 of work plan and also a little north of proposed locations. The first location is pretty much spot on.

0940 Geotek begins driving temporary well TW-1 on Air Cargo side of Airport Industrial Road. Located in line with Row 6 of soil gas grid and between probes 3-6 & 4-6.

0953 BM begins sampling at 15 ft bgs. Water is very turbid at first but is cleaning up in a few minutes.

R. Mast  
10/25/06

(13)

Former Drainage Pond

10/25/06

Water Quality Measurements for TW-1:

Time	pH	temp	cond	DO	ORP	turb
1005	4.83	4.53	0.687	0.32	-16.0	error
1009	4.82	4.49	0.684	0.29	-20.9	error
1013	4.90	4.44	0.684	0.25	-27.4	error

1015 BM collects sample TW-1-15 from TW-1.

Three 40-ml VOA vials w/HCl filled for analysis of VOCs. Flow rate of purging was ~0.25 lpm. Approximately 2 gallons were purged before sampling. Turbidity meter is not working, pH readings are low because of cold weather (20°F). BM performed a 3pt calibration of pH this morning with 7.00, 10.00, and 4.00 buffers. Calibrated fine. As the YSI is used, it is expected that pH will creep up to normal levels of 6.0-7.0.

1030 Geotek begins driving TW-1 to 25 feet bgs.

1044 BM begins purging TW-1. Flow rate is 0.25 lpm.

Time	pH	temp	cond	DO	ORP
1058	4.90	3.41	0.642	0.15	-8.0
1102	5.28	3.39	0.642	0.13	-31.8
1106	5.58	3.38	0.641	0.13	-52.4

R. Mast 10/25/06

10/29/06

Former Drainage Pond

(14)

1110 BM collects sample TW1-25 from 25 ft bss in TW1. Three 40-ml VOAs w/ HCl for VOC analysis. Also collected three 40-ml VOAs w/ HCl for duplicate sample TW1-45. Time listed as 0930. Approximately 2 gallons purged at 25 ft depth.

1115 Geotek drives TW-1 to 35 feet.

1128 BM begins purging TW1-35. Flow rate is 0.25 lpm.

Time	pH	temp	cond	DO	ORP
1143	6.83	3.72	0.473	0.18	-92.8
1147	6.86	3.15	0.472	0.18	-95.4
1151	6.88	3.20	0.471	0.20	-98.0

1155 BM collects sample TW1-35 from 35 ft bss. Three 40-ml VOA vials w/ HCl were filled for VOC analysis. Approximately 2 gallons were purged.

1240 Geotek returns from lunch and begins to drive TW-2. First sample interval is 15 ft.

1250 Begin purging 15-ft interval in TW-1. Flow rate is set at 0.25 lpm. Water cleared up after 5 minutes.

Butler  
10/29/06

(15)

Former Drainage Pond

10/29/06

Water Quality Readings for TW2-15

Time	pH	temp	cond	DO	ORP
1300	6.73	3.46	0.698	0.18	-92.2
1304	6.76	3.47	0.694	0.16	-98.8
1308	6.79	3.51	0.693	0.13	-104.0

1310 BM collects sample TW2-15 from 15 ft down in TW2. Three 40-ml VOA vials w/ HCl filled for VOC analysis. Approximately 2 gallons purged.

1320 Geotek drives TW-2 down to 25 feet bss.

1333 Begin purging 25 ft depth on TW-2. Flow rate is ~0.25 lpm.

Time	pH	temp	cond	DO	ORP
1343	6.99	2.59	0.551	0.11	-105.2
1347	6.99	2.63	0.551	0.10	-110.1
1351	7.00	2.66	0.551	0.08	-112.4

1355 BM collects sample TW2-25 from 25 ft interval in TW-2. Three 40-ml VOA vials w/ HCl filled for VOC analysis. Approx 2 gallons were purged.

1404 Began purging 35 ft depth on TW-2.

1416 Water is still very turbid. Attached YSI despite turbidity. Flow rate is 0.25 lpm.

JA, 10/29/06

10/29/06

## Former Drainage Pond

(16)

Time	pH	temp	cond	DO	ORP	other
1423	7.05	2.22	0.485	0.32	-100	dk. gray v. cloudy
1427	7.05	2.17	0.484	0.23	-104	"
1431	7.04	2.11	0.483	0.22	-107	"

1435 JA collects sample TW2-35 from 35-ft depth in TW2. Three 40-ml VOAs w/ HCl filled for VOC analysis. ~1.5 gal purged.

1455 Geotek left site to buy concrete. JA showed them proposed MW-37 location before they left.

1522 JA dumped purgewater.

1525 JA Set up at MW-36 to develop well. Water level is 8.67

1531 <sup>JA</sup> Began purging MW-36. Pump is at max power.

Time	Purge #	Turbidity	WL
1536	~1.7g	85.8	8.67
1539	~2.0g	38.2	8.69
1544	~3.0g	22.7	8.69
1547	~3.3g	18.6	8.69

1548 Turned off pump. ~3.5 gal purged.

1551 Attached YSI. Will sample since recovery is very good.

1552 Restarted pump. Flow rate is now ~0.25 gpm

JA, 10/29/06

10/29/06

## Former Drainage Pond

(17)

Time	pH	temp	cond	DO	ORP	WL	other
1557	6.78	5.23	0.319	0.32	-90.6	8.67	JA
1601	6.82	5.26	0.320	0.28	-101		
1605	6.87	5.24	0.320	0.23	-107	8.68	

1610 JA collects sample MW36 from MW36. Three 40-ml VOAs w/ HCl collected for VOC analysis. ~1 gal purged in addition to 3.5 gal purged while developing.

1620 Marked well w/ lath in case snow falls before site survey.

1625 Decon water level indicator. leaving secure area.

1640 Dumped purgewater. Put 2 gal ice in cooler because cooler will be stored in office

1645 Marked TW1 & TW2. Lath's read TW10 for TW1 and TW12 for TW2 (do not have thick marker to change). TW2 still needs to be removed, and both need to be filled w/ bentonite.

1650 Arrived at MW37. Geotek has just finished installing well, now filling sand into hole. Well has 10' screen at bottom.

Total Depth: 20.50

Depth to Water: 7.70

Well diameter: 1.5" pvc  
JA, 10/29/06

10/29/06 Former Drainage Pond

1720 left MW-37. Chris almost finished pouring in concrete around monument

1725 spoke w/ Kevin in Arr. Cargo parking lot. TW 18 & 2 holes have been filled w/ bentonite, MW-30 decommission complete. MW-29 decommission and MW-29R completion still need to be finished. Kevin said he will take care of that tomorrow morning.

1730 Left site

1810 Returned to office. Brought equip. & a cooler inside

1830 Decontaminated VSL. A lot of sand was in flow-through cell.  
End of day

JA, 10/29/06

(18)

(19)

10/31/06 Former Drainage Pond

0900 JA received call from Kris Dubois.

Someone reported to her th. yesterday that a 3-ft pipe was coming out of ground at MW-29R location. JA told Kris she would check out the well this morning.

1030 Arrived at MW-29R. PVC has been cut and flush-mount monument completed. JA called Kris, left voicemail notifying her.

1033 JA left site.

JA, 10/31/06

11/01/06

Former Drainage Pond

20

0830 JA calibrating YSI

Parameter	Solution Value	Reading before Cal.	cal?	Notes
pH-7	7.01	6.94	✓	
pH-4	4.00	3.99	✓	
pH-10	10.03	9.98	✓	
cond.	1.413mS	1.428	✓	New reading: 1.520
ORP	228	229.4	✓	
DO	barom. press: 764.11Hg	9.15 mg/L	✓	New reading: 9.01 mg/L

1010 Arrived at MW-29R to develop and possibly sample, depending on recovery rate.

Water level is 9.26. Total depth is 18.05.

1047 Began purging MW-29R. Do not have turbidity meter onsite, so will instead use the YSI for parameter stability, and take qualitative (visual) turbidity readings. Note: Pump is at max power, using truck battery. Purged 3 min before using YSI.

Time	pH	temp	cond	DO	ORP	WL	visual turb
1053	1.0	6.00	4.34	1.368	0.61	-46.6	16.25
1057	2.0	5.34	4.02	1.309	0.78	-41.3	olive cloudy H. gray clearing

1058 Air bubbles in tubing & YSI; turned down pump to ~1/2 max power.

1101 — — — — — 12.80 —

1105 30 5.53 367 1.323 7.15 -35.0 12.90 clear  
Tiny air bubbles floating up through YSI, though no air in tubing entering YSI.

21

11/01/06 Former Drainage Pond

1110 BM on site w/ turbidity meter. Taking turbidity reading: 18.4.

1115 Turned pump off. ~3.7 gal purged. Tracking recovery (will sample if recovers quickly):

Time	WL
1117	12.9
1114	11.9
1122	10.9
1125	10.25
1130	9.92
1134	9.75
1137	9.70

1150 BM & JA measure well levels and elevations of new wells,

MW11R = 9.19	MW31 = 8.31
MW29R = 9.26	MW35 = 8.10
MW12 = 12.82	MW36 = 8.79
MW30R = 10.24	MW37 = 7.87
MW10 = 10.36	

Measure height of MW11R. It's 5.88, so height of instrument is ~~10.6~~ 105.88

11/1/06  
B. M. A.

11/1/06

## Former Drainage Pond

Measure the height of MW37 = 7.68

$$\begin{array}{r} \text{So TUC elevation is } 105.88 \\ - 7.68 \\ \hline 98.20 \end{array}$$

Measure the height of MW30R = 3.68

$$\begin{array}{r} \text{So TUC elevation is } 105.88 \\ - 3.68 \\ \hline 102.20 \end{array}$$

Measure the height of MW29R = 5.13

$$\begin{array}{r} \text{So TUC elevation is } 105.88 \\ - 5.13 \\ \hline 100.75 \end{array}$$

Measure the height of MW36 = 4.49

$$\begin{array}{r} \text{So TUC elevation is } 105.88 \\ - 4.49 \\ \hline 101.39 \end{array}$$

Closed the tap on MW12R. Reading  
of 5.88. (Note the 6.20 differential  
for MW29R + MW36)

1350 JA set up to sample MW-29R. Water level is now 9.41.

1355 Began purging MW-29R. Initial trouble  
w/ power of VSI, but now functioning.  
Flow rate is ~0.25 lpm.

Time	pH	temp	cond	DO	ORP	WL	other
1404						10.8	
1405							olive cloudy
1407	6.68	4.06	1.547	1.05	-100		
1410	6.65	3.94	1.553	0.75	-100	10.59	
1417	6.76	3.87	1.553	0.55	-105	10.55	clearing

(22)

(23)

11/1/06

## Former Drainage Pond

Time	pH	temp	cond	DO	ORP	WL	other
1424	6.83	3.79	1.578	0.49	-106	10.55	yellow clear

1425 Called BM. He gave approval to sample  
because well is recharging as fast as it is  
being pumped (as indicated by water level).

1430 JA collects sample MW29R from  
well MW29R. Three 40-ml VOAs w/ HCl  
filled for VOC analysis. ~5 gal purged  
total (= 3.6 + 1.4) from development  
(1.4 before sampling)

Note: Lots of bubbles forming in VOA vials due to  
effervescence. Threw out one vial, filled another.

1500 Dumped purge water

1510 Gauged MW-10. Depth to water: 10.36

1530 Vehicle troubleshooting.

1555 Setting up at MW-12. Water level is 12.82.  
Total depth is 16.94. steel, 1" inner diameter.

1610 Began purging. Flow rate is ~0.2 lpm

Time	pH	temp	cond	DO	ORP	WL	other
1620						16.93	
1627						15.40	
1634						14.59	
1641						13.98	

1645 JA consulted Ben on whether to sample. BM  
advised sampling.

JA, 11/1/06

(54)

11/1/06 Former Drainage Pond

1652 Final water level reading before sample: 13.48

1700 JA collects sample MW 12 from well MW 12.

Three 40-ml VOAs w/ HCl filled for VOCs.

~0.5 gal purged.

1715 Setup at MW 37 to develop. Water level from earlier today was 7.87. Total depth measured on 10/29/06 was 20.50.

1722 Began purging MW 37. Pumps at max power.

Time	Purge	WL	Turbidity
1730	~2.2 g	7.87	55.8
1734	~2.6 g	7.88	20.1
1737	~3.2 g	7.88	16.5

1739 Stopped purging. ~3.5 gal total.

Will sample due to good well recharge.

1741 Began purging w/ YSI. Flow rate is now ~0.25

Time	pH	temp	cond	DO	ORP	WL	other
1746	7.30	4.44	0.738	1.22	-133	7.87	clear
1750	7.26	4.25	0.723	0.88	-132	-	"
1754	7.25	4.05	0.723	1.09	-134	-	"

1800 JA collects sample MW 37 from

MW 37. Six 40-ml VOAs w/ HCl

filled for VOCs. Approx. 0.7 gal

purged in addition to 3.5 gal during

development. This is an MS/MSD sample

JA, 11/1/06

(25)

11/1/06 Former Drainage Pond

1830 Gauging MW 34. Water level is 8.31.

Total depth is 13.78. Frost jacked, cap hits cover.

1845 Gauged MW 35. Water level is 8.10.

Total depth is 11.00. Frost jacked since last year.

1908 Dumped purge water & garbage. Leaving site.

1930 Returned to office. Brought all equip inside.

1945 Recon YSI. End of day

JA, 11/1/06

(26)

11/2/06 Former Drainage Pond  
0930 JA arrives to FIA. Setting up at MW35.  
Water level last night was 8.10.

0953 Began purging MW35. Flow rate is ~0.17 lpm

Time	pH	temp	cond	DO	ORP	WL	Other
1009	4.83	4.48	0.812	0.70	99.4	8.18	clear
1014	4.91	4.39	0.797	0.59	85.7	8.57	clear
1014	4.97	4.31	0.790	0.55	8.19	8.93	clear
					(WL)	(ORP)	

1030 JA collects sample MW35 and field  
dup <sup>MW20</sup> ~~PDB~~ (time: 0800) from well MW35.  
~1.8 gal purged. See \* note on next page.

1100 BM on site. Setting up w/JA at MW11R  
Sampling VOCs from PDBs:

- 1120 PDB @ 15 ft → MW-11R-15. Three 40-ml VOA's w/HCl
- 1125 PDB @ 25 ft → MW-11R-25. Three 40-ml VOA's w/HCl
- 1130 PDB @ 35 ft → MW-11R-35. Two 40-ml VOA's w/HCl
- 1135 dup from 35 → MW-11R-45. Two 40-ml VOA's w/HCl

1150 Began purging MW-11R. Flow rate is ~  
0.20 lpm. Water level measured yesterday was 9.19.

Time	pH	temp	cond	DO	ORP	WL	Other
1205	6.59	3.41	1.038	0.34	-106	9.26	olive cloudy
1209	6.58	3.36	1.020	0.22	-107	-	"
1214	6.65	3.29	0.994	0.18	-113	-	gray clearing

1220 JA collects sample MW11R from well  
MW-11R. One 250-ml poly w/ HNO<sub>3</sub> for  
JA, 11/2/06

(27)

11/2/06 Former Drainage Pond  
d. solved iron (w/ filter), one 250-ml poly  
w/ HNO<sub>3</sub> for manganese, one 250-ml  
poly for Alkalinity, and one 60-ml poly  
for Cl, SO<sub>4</sub>, & NO<sub>3</sub>. ~1.5 gal purged.  
Ferrous iron test run. Result is 2.8 mg/L.

1320 Setting up at MW30R. Water level is  
10.23.

1332 Began purging MW 30R. Flow rate is  
~0.19 lpm.

Note: BM has been removing Gore Modules  
since ~1200.

\* Note on sample from MW-35: The following  
jars were filled, including dup: Six 40-ml VOA's  
w/ HCl for VOCs, two 250-ml poly's w/ HNO<sub>3</sub>  
for dissolved Fe (w/ filter), two 250-ml  
poly's w/ HNO<sub>3</sub> for Mn, two 250-ml poly's  
for alkalinity, and two 60-ml poly's for  
Cl, SO<sub>4</sub>, & NO<sub>3</sub>.

Time	pH	temp	cond	DO	ORP	WL	Other
1347	7.16	0.55	0.764	2.26	-44	13.43	olive cloudy
1352	7.14	0.64	0.780	1.47	-69	14.08	clearing
1357	7.15	0.67	0.793	1.49	-78	14.72	clear

1359 Turned off pump to allow for recharge.

1414 Water level: 12.22

1428 Water level: 11.22  
JA, 11/2/06



(28)

11/2/06

Former Drainage Pond

1440 JA collects sample MW-30R from well MW-30R. Filled three 40-ml VOA's for VOC, one 250-ml poly w/ HNO<sub>3</sub> for Diss Fe, one 250-ml poly w/ HNO<sub>3</sub> for Mn, one 250-ml poly for Alkalinity, one 60-ml poly for Cl, SO<sub>4</sub>, & NO<sub>3</sub>. Ferrous iron field test run, result is 2.9 mg/L

Note: Final water level prior to sampling: 10.75  
Approx. 1.5 gal purged.

1525 Dumped purgewater

1530 Setting up at MW-34. Last night's water level was 8.31.

1546 Began purging MW-34. Flow rate is ~0.25 gpm

Time pH Temp and DO ORP WL other

1601 6.33 4.15 1.023 2.79 113 8.38 clear

1605 6.30 3.95 1.021 2.61 124 - clear

1609 6.31 3.79 1.024 2.24 129 8.38 clear

1615 JA collects sample MW34 from well MW34.

Three 40-ml VOA's w/ HCl filled for VOC analysis. ~1.5 gal purged. Note: DO

appeared stable (remained at 2.2) (JA) DO

continued to slowly drop after last reading. (at 2.15 3 min after last reading).

1635 Performed ferrous iron field test at MW35. Result was 1.9 mg/L.

JA, 11/2/06

(29)

11/2/06

Former Drainage Pond

1650 JA preparing CoC. Will use the following log for reference:

Sample ID	Date	Time	Analyses	# of Cont.
TW1-15	10/29/06	1015	VOC	3
TW1-25	10/29/06	1110	"	3
TW1-45	10/29	0930	" TW1-25 Dup	3
TW1-35	10/29	1155	"	3
TW2-15	10/29	1310	"	3
TW2-25	10/29	1355	"	3
TW2-35	10/29	1435	"	3
MW-36	10/29	1620	"	3
MW-29R	11/1/06	1430	"	3
MW-12	11/1/06	1700	"	3
MW37	11/1/06	1800	" MS/MSD *	6 *
MW35	11/2/06	1030	VOC, MNA's	7
MW11R-15	11/2	1120	VOC	3
MW11R-25	11/2	1125	VOC	3
MW11R-35	11/2	1130	VOC	2
MW11R-45	11/2	1135	VOC	2
MW11R	11/2	1220	MNA's	4
MW20	11/2	0800	VOC, MNA's	7
MW30R	11/2	1440	VOC, MNA	7
MW34	11/2	1615	VOC	3
FBT (JA)	10/29	0700	VOC	3
Trip Blank				

JA, 11/2/06

11/2/06

Former Drainage Pond

1830 JA Goldstream's cooler to SGS (hold for pickup @ Anchorage airport).

1900 Returned to office

1930 Moved equip up to office, cleaned YSI

End of day



JA, 11/2/06

(30)

(31)

11/3/06

Former Drainage Pond

1115 JA picked up cooler w/ alkalinity sample jars at SGS office. Will resample at MW35, MW30R, and MW11R on Monday due to ice crystals in yesterday's samples.

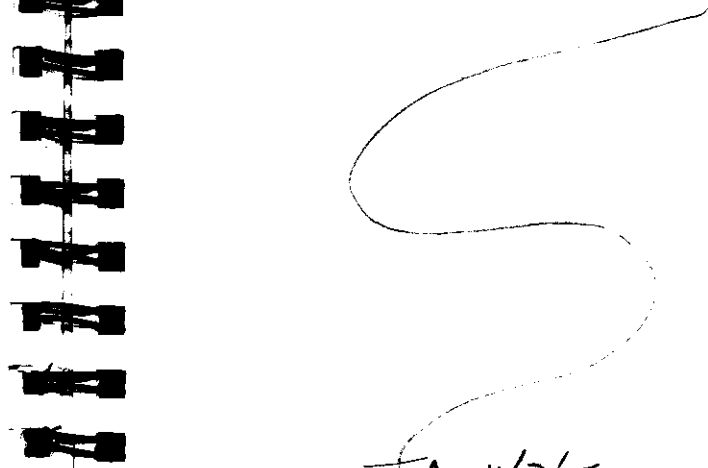
1130 Arrived to FIA to finish retrieving GORE Modules.

1445 All GORE modules retrieved (54 total)

1515 Shipped YSI and Ferrus iron field test kit as freight to Anchorage office.

1530 Spoke w/ Scott of GeoTek and Ben regarding survey scheduling. Scott is hoping to arrive Sunday and survey on Monday. He will confirm w/ me tomorrow.

1540 Left site for office



JA, 11/3/06

11/6/06 Former Drainage Pond

0915 JA met Scott (GeoTek) in AKA's Garage lot. Setting up GPS system for horizontal survey.

0940 Obtained temporary ramp pass for OASIS field truck.

0945 Entered secure area. Scott surveying 5 soil gas points and one well (MW36). Note: He is using Hot foot-Survey control point.

0956 Leaving secure area

1003 Surveying MW29R.

1010 JA pointed out rest of wells to Scott (TW1, TW2, MW37, MW30R). Note: JA also provided 8 1/2 x 11 & 11 x 17 maps of site to Scott, along w/ list of locations.

1015 Surveying MW30R

1018 JA setting up to sample MW-30R. Water level is 10.40. Per BM's instruction, JA will purge 1 casing volume, then sample once well's water level water column is w/in 90-100% of original column.

1034 Began purging MW-30R. Flow rate is ~0.17 Lpm. One casing volume for 1.5" diameter well  $\approx$  column/10. Column =  $18.22 - 10.40 = 7.82$   
Casing Vol  $\approx 7.82/10 = 0.78$  gal

1049 Pump stopped. Replaced tubing due to  
JA, 11/6/06

11/6/06 Former Drainage Pond  
to ~~freeze~~ ice blockage.

1102 Approx. 0.8 gal purged. Water level is 14.0. Will sample another well while MW-30R recharges.

1115 Set up at MW11R. Water level is 9.23. One casing vol.  $\approx (35 - 9.23)/6 = 4.3$  gal (prev: 52")

1124 Began purging MW11R

1140 Water level: 9.28. Volume purged  $\approx 3.5$  gal.

1148 Approx. 4.5 gal purged. Turned off pump. Water level: 9.25

1150 JA collects sample MW11R from well MW11R. One 250-ml poly filled for alkalinity.

1210 Set up at MW30R. Water level is 12.45.

1215 Spoke to Scott. He has finished surveying. Attempting to survey known points for reference, but lack of satallites. Will try again after lunch. Note: Scott believes he surveyed 55 soil gas points rather than 54.

1225 JA collects sample MW30R from well MW30R. One 250-ml poly filled for alkalinity

1230 Scott left site to pick up Chris Bizaillon and get lunch.  
JA, 11/06/06

11/6/06 Former Drainage Pond

1240 Set up at MW 35. Water level is 8.13

One casing volume  $\approx (11.0 - 8.13) / 6 \approx 0.5$  gal

1247 Began purging MW 35. Flow rate is  $\sim 0.3$  lpm

1254 Approx. 0.6 gal purged. Water level is 8.15.

1256 JA collects sample MW 35 from well MW 35. One 250-ml poly filled for Alkalinity. Also collected a field dup, w/ sample ID: MW 20 and sample time of 1120.

1310 Dumped purgewater.  $\sim 5.5$  gal total for today. Purge drum is now  $\sim 3/4$  full.

1320 Completing COC.

1400 Goldstreaked cooler. Called Bryan and gave Airway bill number. He said he will pickup the cooler tonight.

1420 Fed Ex'd Gore Modules, as Goldstreak does not deliver and lab is over a 1/2-hr from nearest airport (Philadelphia). Called & left message at W/ Gore w/ Fed Ex tracking #, arrival time (noon on 11/8), and my cell number.

1435 Left site w/ GeoTel for Gaffney Rd well repairs/decommission tour.

JA, 11/06/06

**ATTACHMENT B:  
Survey Data**

<b>Point ID</b>	<b>Easting (X) USFT</b>	<b>Northing (Y) USFT</b>	<b>Elevation (USFT)</b>
DRAINAGE	1350848.526	3959103.502	469.24
9-1	1348378.801	3956650.005	464.231
9-2	1348336.577	3956686.289	462.777
9-3	1348295.247	3956718.975	461.608
9-4	1348257.230	3956753.865	460.552
9-6	1348185.563	3956821.241	463.979
MW36	1348201.734	3956780.807	463.168
MW29R	1348018.053	3956296.000	464.635
MW30R	1348286.753	3956474.246	465.94
7-1	1348314.747	3956577.026	465.268
6-1	1348286.058	3956536.734	465.886
5-1	1348250.128	3956505.180	465.489
4-1	1348217.721	3956462.850	465.667
3-1	1348182.720	3956425.093	464.957
2-1	1348146.256	3956386.095	464.756
1-1	1348111.635	3956350.643	463.742
1-2	1348073.938	3956380.557	464.948
2-2	1348106.970	3956419.043	464.001
3-2	1348139.893	3956458.271	464.493
TBM	1348159.496	3956488.500	464.051
5-2	1348207.833	3956531.607	464.639
7-2	1348274.055	3956616.202	463.412
7-3	1348238.562	3956649.215	462.734
7-5	1348154.226	3956707.512	463.37
7-6	1348117.245	3956739.849	463.085
7-7	1348071.691	3956778.447	462.466
8-7	1348104.012	3956816.082	462.494
9-7	1348135.282	3956855.193	462.785
6-7	1348041.357	3956739.129	462.748
6-5	1348120.450	3956668.889	463.18
6-4	1348160.922	3956633.800	463.964
5-4	1348125.701	3956595.316	463.569
4-4	1348093.632	3956559.163	463.013
3-4	1348059.733	3956521.096	463.383
1-4	1347996.758	3956446.529	463.783
1-5	1347958.688	3956478.183	464.125
1-6	1347922.850	3956509.404	462.657
1.5-7	1347887.317	3956565.842	462.203
0.5-7	1347862.089	3956537.469	461.1
2-6	1347954.856	3956549.044	462.47
2-5	1347991.117	3956516.245	463.811
2-4	1348029.041	3956483.489	463.839
3-5	1348022.305	3956554.921	463.722
3-6	1347986.887	3956587.435	461.934
3.5-7	1347954.629	3956644.718	464.85
TW2	1347930.200	3956699.597	463.246
MW37	1347832.619	3956821.832	461.943
5-7	1348009.365	3956700.516	463.008
4-7	1347976.425	3956661.920	464.737
TW1	1348011.160	3956618.945	461.615
MW11R	1348040.281	3956596.852	463.139
4-6	1348019.609	3956625.839	461.849
5-5	1348088.360	3956630.692	463.464
5-6	1348052.210	3956664.179	461.43
6-6	1348084.998	3956702.158	462.226
5-3	1348164.462	3956561.952	463.774
4-2	1348172.904	3956495.863	464.427
4-3	1348131.232	3956524.051	463.222
3-3	1348099.058	3956487.308	463.66
2-3	1348067.953	3956448.976	463.621
1-3	1348035.148	3956413.156	463.71
4-5	1348055.239	3956593.101	463.482
7-4	1348192.986	3956672.724	461.083
MW30	1348290.378	3956479.171	465.945
MW35	1347799.811	3956686.184	462.139
MW34	1347854.600	3956587.728	462.389
MW12	1347940.887	3956035.279	467.045

**ATTACHMENT C:**  
**GORE™ SURVEYS FINAL REPORT**  
Former Airport Drainage Pond, Fairbanks Int'l Airport, December 4, 2006.

## GORE™ Surveys

### KEY TO DATA TABLE

#### Former Drainage Pond, Fairbanks International Airport, Fairbanks, AK

##### UNITS

µg	micrograms (per sorber), reported for compounds
MDL	method detection limit
bdl	below detection limit
nd	non-detect

##### ANALYTES

ct12DCE	cis- & trans-1,2-dichloroethene
t12DCE	trans-1,2-dichloroethene
c12DCE	cis-1,2-dichloroethene
11DCA	1,1-dichloroethane
CHCl <sub>3</sub>	chloroform
111TCA	1,1,1-trichloroethane
12DCA	1,2-dichloroethane
CCl <sub>4</sub>	carbon tetrachloride
TCE	trichloroethene
PCE	tetrachloroethene
CIBENZ	chlorobenzene
14DCB	1,4-dichlorobenzene
11DCE	1,1-dichloroethene
112TCA	1,1,2-trichloroethane
1112TetCA	1,1,1,2-tetrachloroethane
1122TetCA	1,1,2,2-tetrachloroethane
13DCB	1,3-dichlorobenzene
12DCB	1,2-dichlorobenzene
VC	vinyl chloride

##### BLANKS

TBn	unexposed trip blanks, travels with the exposed modules
method blank	QA/QC module, documents analytical conditions during analysis

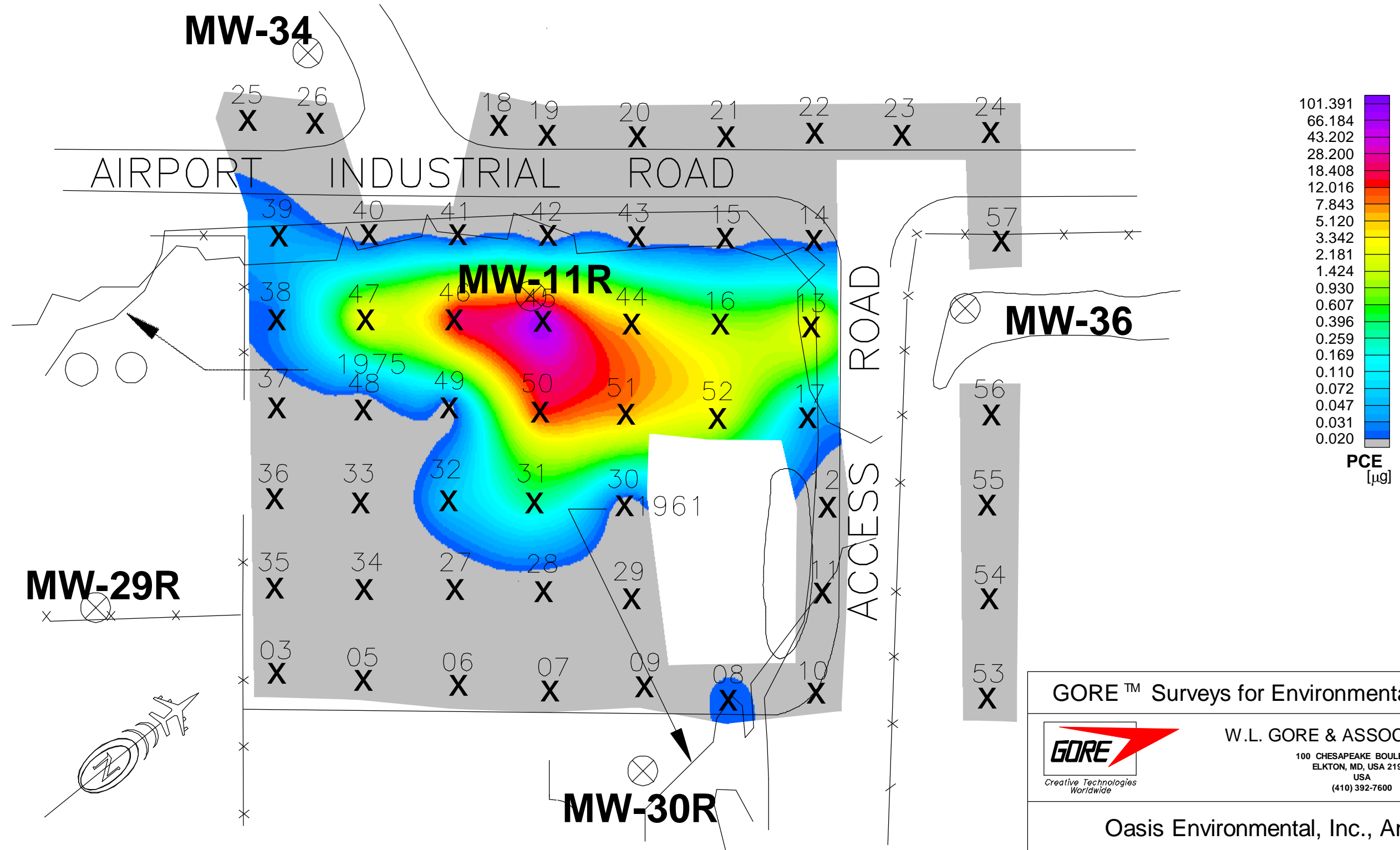


GORE(TM) SURVEYS ANALYTICAL RESULTS  
 OASIS ENVIRONMENTAL, INC., ANCHORAGE, AK  
 GORE CHLORINATED VOCs (A10+VC)  
 FORMER DRAINAGE POND, FAIRBANKS INTERNATIONAL AIRPORT, FAIRBANKS, AK  
 SITE DNC - PRODUCTION ORDER #12907806

DATE ANALYZED	SAMPLE NAME	CIBENZ, ug	ct12DCE, ug	112DCE, ug	ct2DCE, ug	11DCA, ug	111TCA, ug	12DCA, ug	TCE, ug	PCE, ug	14DCB, ug	VC, ug	11DCE, ug	CHCl3, ug	CCl4, ug	112TCA, ug	1112TetCA, ug	1122TetCA, ug	13DCB, ug	12DCB, ug
	MDL=	0.01		0.02	0.02	0.05	0.02	0.01	0.01	0.02	0.01	0.31	0.02	0.05	0.05	0.05	0.01	0.05	0.01	0.05
11/14/06	513603	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513604	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513605	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513606	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513607	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
11/14/06	513608	nd	nd	nd	nd	nd	0.02	nd	nd	0.02	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
11/14/06	513609	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513610	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513611	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513612	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513613	nd	nd	nd	nd	nd	nd	nd	3.70	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513614	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513615	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513616	nd	nd	nd	nd	nd	nd	nd	1.15	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513617	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513618	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/13/06	513619	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513620	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513621	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
11/15/06	513622	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513623	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513624	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513625	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513626	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd	nd	nd	nd	nd
11/15/06	513627	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513628	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513629	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513630	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513631	nd	nd	nd	nd	nd	nd	nd	0.31	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513632	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513633	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513634	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
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11/14/06	513637	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513638	nd	nd	nd	nd	nd	nd	nd	0.02	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
11/14/06	513639	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513640	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
11/14/06	513641	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513642	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513643	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513644	nd	nd	nd	nd	nd	nd	nd	5.21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513645	nd	28.86	0.49	28.38	nd	nd	3.95	101.49	nd	nd	nd	bdl	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513646	nd	0.09	nd	0.09	nd	nd	0.12	25.52	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513647	nd	nd	nd	nd	nd	nd	nd	4.42	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/14/06	513648	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/13/06	513649	nd	nd	nd	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513650	nd	nd	nd	nd	nd	nd	0.49	15.45	nd	nd	nd	nd	bdl	nd	nd	nd	nd	nd	nd
11/15/06	513651	nd	0.11	nd	0.11	nd	nd	0.16	7.43	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513652	nd	nd	nd	nd	nd	nd	nd	2.63	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/15/06	513653	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513654	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513655	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513656	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513657	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513658	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	513659	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	513660	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/13/06	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
11/14/06	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Maximum	0.00	28.86	0.49	28.38	0.00	0.13	0.00	3.95	101.49	0.00	0.00	0.01	0.14	0.00	0.00	0.00	0.00	0.00	0.00
	Standard Dev.	0.00	3.89	0.07	3.83	0.00	0.02	0.00	0.54	14.14	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	Mean	0.00	0.53	0.01	0.52	0.00	0.00	0.00	0.09	3.05	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

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**MW-29R**

**MW-30R**

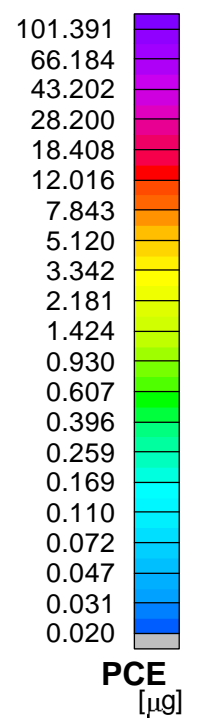
**MW-36**

**MW-34**

**MW-11R**

AIRPORT INDUSTRIAL ROAD

ACCESS ROAD



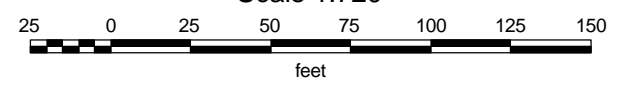
GORE™ Surveys for Environmental Site Assessment



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100 CHESAPEAKE BOULEVARD  
ELKTON, MD, USA 21921  
USA  
(410) 392-7600

Oasis Environmental, Inc., Anchorage, AK  
Former Drainage Pond, Fairbanks Int. Airport  
Fairbanks, AK  
Tetrachloroethene

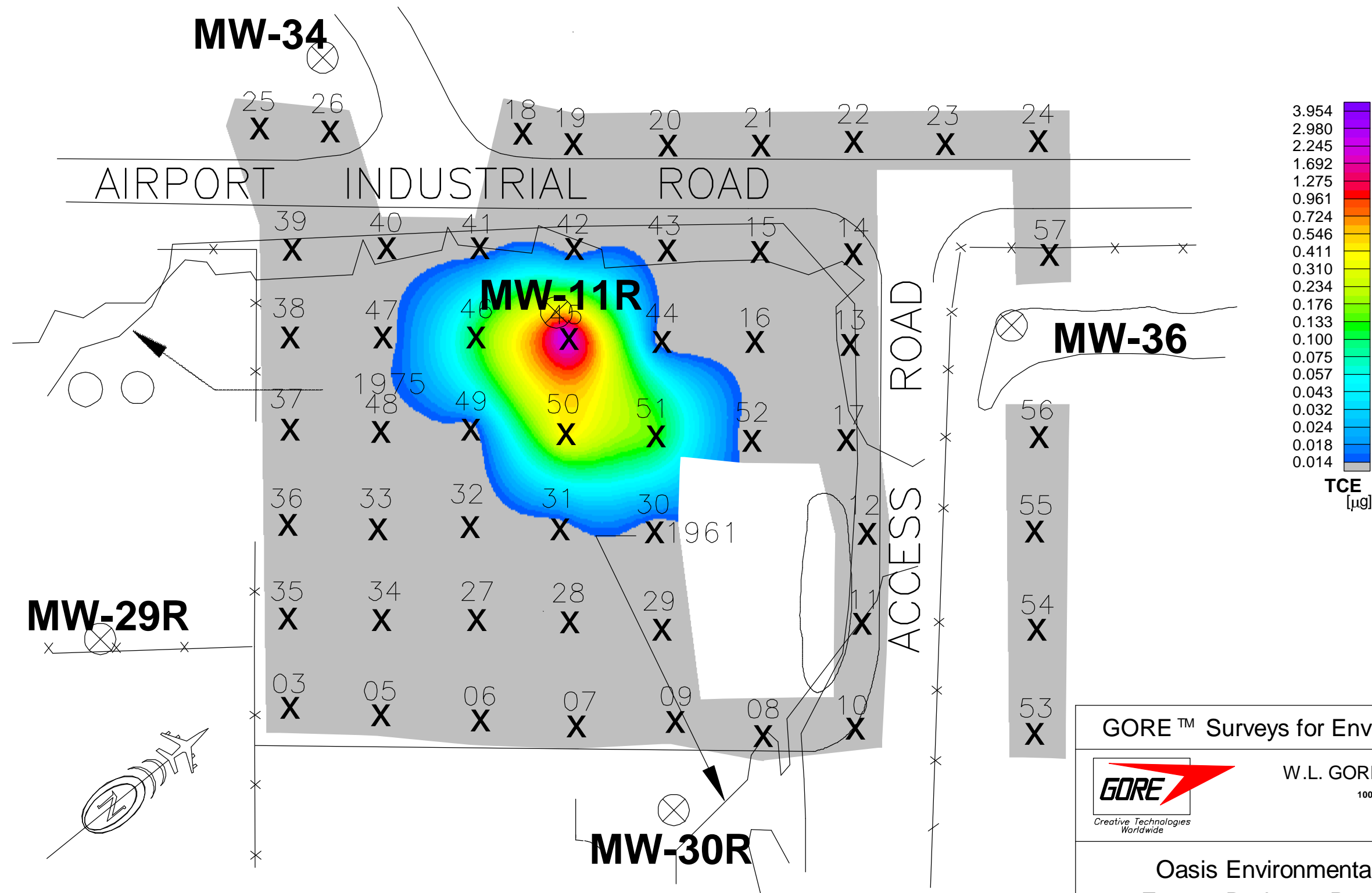
Scale 1:720



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DATE DRAWN: 04 Dec 2006	DRAWN BY: JW	ORIG. CAD: GORE_Fig.DWG	SITE CODE: DNC
REV. DATE:	REV. #:	PROJECT NUMBER: 12907806	

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GORE™ Surveys for Environmental Site Assessment



W.L. GORE & ASSOCIATES, INC.

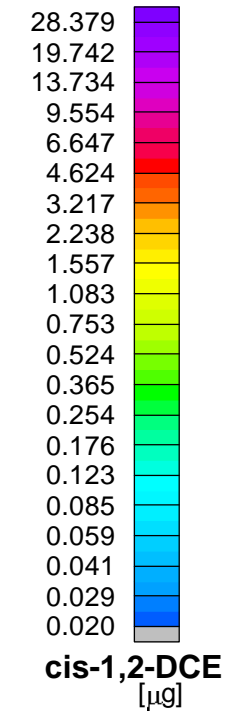
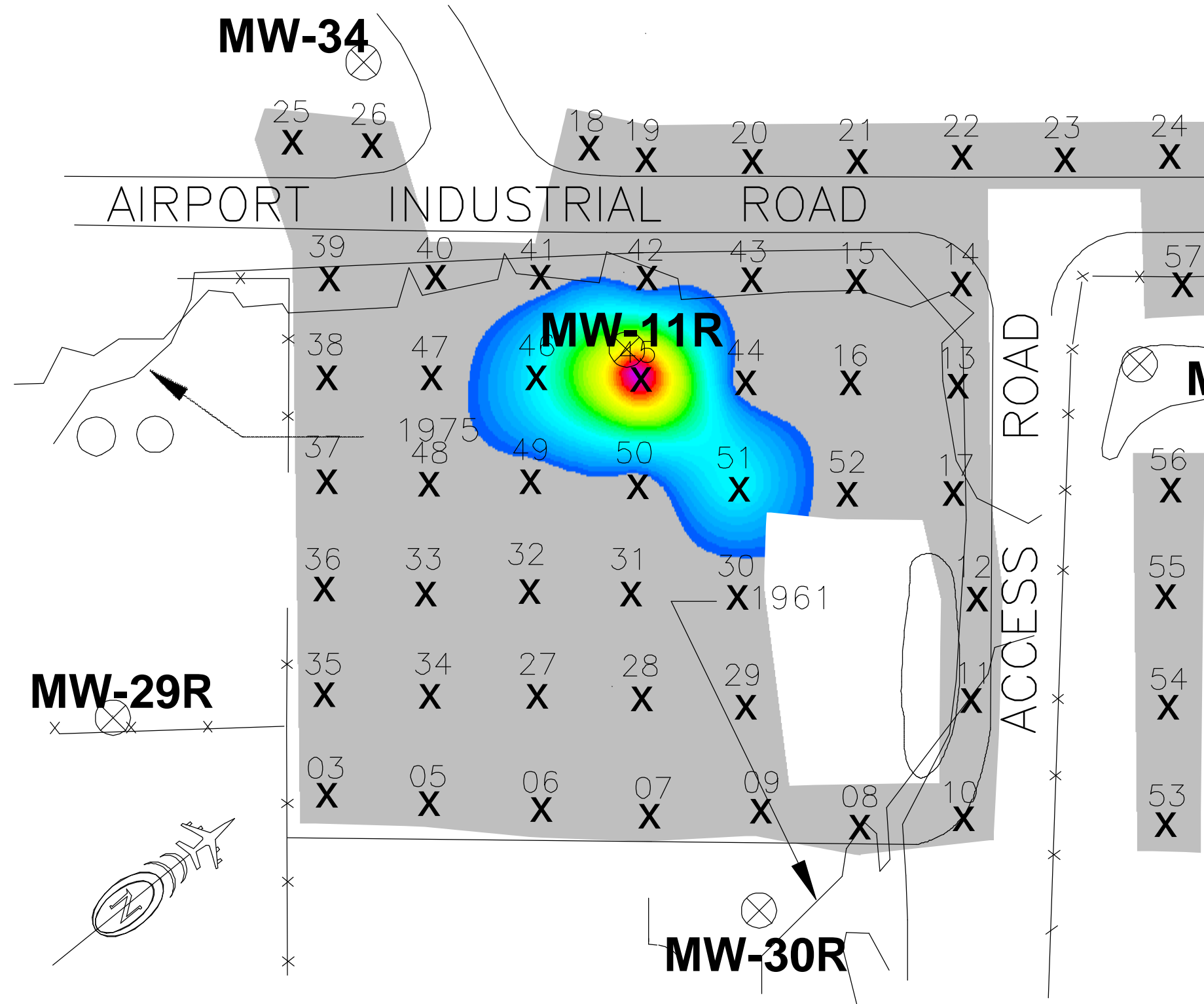
100 CHESAPEAKE BOULEVARD  
ELKTON, MD, USA 21921  
USA  
(410) 392-7600

Oasis Environmental, Inc., Anchorage, AK  
Former Drainage Pond, Fairbanks Int. Airport  
Fairbanks, AK  
Trichloroethene

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DATE DRAWN: 04 Dec 2006	DRAWN BY: JW	ORIG. CAD: GORE_Fig.DWG	SITE CODE: DNC
REV. DATE:	REV. #:	PROJECT NUMBER: 12907806	

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**MW-29R**

**MW-11R**

**MW-36**

**MW-30R**

AIRPORT INDUSTRIAL ROAD

ACCESS ROAD

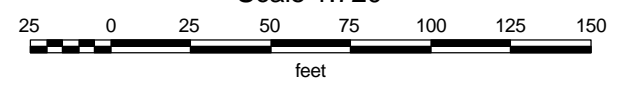
GORE™ Surveys for Environmental Site Assessment



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 USA  
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Oasis Environmental, Inc., Anchorage, AK  
 Former Drainage Pond, Fairbanks Int. Airport  
 Fairbanks, AK  
 cis-1,2-Dichloroethene

Scale 1:720



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DATE DRAWN: 04 Dec 2006	DRAWN BY: JW	ORIG. CAD: GORE_Fig.DWG	SITE CODE: DNC
REV. DATE:	REV. #:	PROJECT NUMBER: 12907806	

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**ATTACHMENT D:  
Analytical Laboratory Data Report**

## Laboratory Data Review Checklist

### 1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

Yes     No                      Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

Yes     No                      Comments:

Not Applicable

### 2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?

Yes     No                      Comments:

- b. Correct analyses requested?

Yes     No                      Comments:

### 3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ( $4^{\circ} \pm 2^{\circ}$  C)?

Yes     No                      Comments:

Both coolers were received below 2 degrees C (1.1 and 0.7)

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

Yes     No                      Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

Yes     No                      Comments:

Sample receipt noted 3 broken VOAs due to ice.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes  No                      Comments:

See 3C

e. Data quality or usability affected? Explain.

Comments:

Data quality not affected. Only intact containers were used for the analyses.

#### 4. Case Narrative

a. Present and understandable?

Yes  No                      Comments:

b. Discrepancies, errors or QC failures identified by the lab?

Yes  No                      Comments:

c. Were all corrective actions documented?

Yes  No                      Comments:

d. What is the effect on data quality/usability according to the case narrative?

Comments:

No effect on data quality noted by lab

#### 5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes  No                      Comments:

All analyses performed as requested except alkalinity was not analyzed for MW30R

b. All applicable holding times met?

Yes  No                      Comments:

c. All soils reported on a dry weight basis?

Yes  No Comments:

Not applicable - no soil samples analyzed.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes  No Comments:

All PQLs less than cleanup level except 1,2,3-trichloropropane - PQL = 1.0 ug/L and cleanup level = 0.4 ug/L.

e. Data quality or usability affected? Explain.

Comments:

1,2,3-trichloropropane may be present in the samples above the cleanup level even though the samples are non-detect for this analyte.

## 6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes  No Comments:

ii. All method blank results less than PQL?

Yes  No Comments:

iii. If above PQL, what samples are affected?

Comments:

Not applicable

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes  No Comments:

Not applicable

v. Data quality or usability affected? Explain.

Comments:

Data quality not affected

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples?

Yes  No Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes  No Comments:

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes  No Comments:

Vinyl chloride recovery was biased high in one of the VOC LCS samples. Bromomethane recovery was biased high in three of the LCS and LCSD samples. All associated project samples were non-detect for these two analytes. Methylene chloride recovery was biased low in the LCS associated with samples MW29R, MW12, MW37, MW20, MW35, and MW11R-15.

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes  No Comments:

RPD for methylene chloride LCS/LCSD associated with the samples mentioned above was high because of the low bias in the LCS.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Samples MW29R, MW12, MW37, MW20, MW35, and MW11R-15

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes  No Comments:

vii. Data quality or usability affected? Explain.

Comments:

Methylene chloride results were flagged "J" as estimated in these samples.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

Yes  No

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

Yes  No

Comments:

1,2-dichloroethane-D4 surrogate was biased high in a method blank for ethylbenzene and 1,2,3-trichloropropane.

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

Yes  No

Comments:

- iv. Data quality or usability affected? Explain.

Comments:

Data quality is not affected as the two analytes were non-detect in the method blank.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and cooler?

Yes  No

Comments:

- ii. All results less than PQL?

Yes  No

Comments:

- iii. If above PQL, what samples are affected?

Comments:

Not applicable

- iv. Data quality or usability affected? Explain.

Comments:

Not applicable

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes  No

Comments:

ii. Submitted blind to lab?

Yes  No

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?  
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where  $R_1$  = Sample Concentration  
 $R_2$  = Field Duplicate Concentration

Yes  No

Comments:

Only analytes where both results were above the PQL were compared.

iv. Data quality or usability affected? Explain.

Comments:

Data quality not affected

f. Decontamination or Equipment Blank (if applicable)

Yes  No  Not Applicable

i. All results less than PQL?

Yes  No

Comments:

Not applicable

ii. If above PQL, what samples are affected?

Comments:

Not applicable

iii. Data quality or usability affected? Explain.

Comments:

Not applicable

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes  No

Comments:

Completed by:

Lisa Nicholson

Title:

Geologist

Date:

January 05, 2006

CS Report Name:

Report Date:

Consultant Firm:

OASIS Enviromental, Inc.

Laboratory Name:

SGS

Laboratory Report Number:

1066641 and 1066688

ADEC File Number:

ADEC RecKey Number:





**SGS Environmental Services  
Alaska Division  
Level II Laboratory Data Report**

Project: FIA Drainage Pond Proj 95-017  
Client: Oasis Environmental  
SGS Work Order: 1066641

Released by:

**Contents:**

Cover Page  
Case Narrative  
Final Report Pages  
Quality Control Summary Forms  
Chain of Custody/Sample Receipt Forms

**Note:**

Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.

# SGS Environmental Services Inc.

## Case Narrative

**Customer: OASISEN**

**Oasis Environmental**

**Project: 1066641**

**FIA Drainage Pond Proj 95-017**

**NPDL WO:**

Refer to the sample receipt form for information on sample condition.

**1066641012 BMS**

**MW37 MS**

8260 - BMS/BMSD recovery for dichlorodifluoromethane and bromomethane does not meet QC goals (biased high). See the LCS/LCSD for accuracy.

8260 - BMS recovery for several analytes does not meet QC goals (biased low). See the LCS/LCSD for accuracy.

**739960 MS**

**MW20(1066641014MS)**

6020 - MS recovery for iron was outside of acceptance criteria. Post-digestion spike was successful.

**1066641013 BMSD**

**MW37 MSD**

8260 - BMS/BMSD recovery for 1,1,2,2-tetrachloroethane and 1,2-dibromo-3-chloropropane does not meet QC RPD goals. See the LCS/LCSD for accuracy.

8260 - BMSD recovery for several analytes does not meet QC goals (biased high). See the LCS/LCSD for accuracy.

8260 - BMSD recovery for several analytes does not meet QC goals (biased low). See the LCS/LCSD for accuracy.

**740856 MB**

**MB for HBN 180235 [VXX/16249]**

8260 - MB recovery of the surrogate 1,2-dichloroethane-d4 does not meet QC goals (biased high). Data is accepted as this surrogate is not associated with the target analytes in the MB.

**740063 LCS**

**LCS for HBN 180095 [VXX/16233]**

8260 - LCS/LCSD recovery for vinyl chloride does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**740713 LCS**

**LCS for HBN 180214 [VXX/16247]**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**741027 LCS**

**LCS for HBN 180266 [VXX/16253]**

8260 - LCS/LCSD recovery for dichlorodifluoromethane and bromomethane does not meet QC goals (biased high). These analytes were not detected above the PQL in the associated samples or were re-analyzed under passing QC.

8260 - LCS recovery for methylene chloride does not meet QC goals (biased low). The LCSD and MS/MSD met all QC criteria.

**741489 LCS**

**LCS for HBN 180355 [VXX/16262]**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**741643 LCS**

**LCS for HBN 180386 [VXX/16266]**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**740064 LCSD**

**LCSD for HBN 180095 [VXX/16233]**

8260 - LCS/LCSD recovery for vinyl chloride does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**740714 LCSD**

**LCSD for HBN 180214 [VXX/16247]**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**741028 LCSD**

**LCSD for HBN 180266 [VXX/16253]**

8260 - LCS/LCSD recovery for dichlorodifluoromethane and bromomethane does not meet QC goals (biased high). These analytes were not detected above the PQL in the associated samples or were re-analyzed under passing QC.

**741490 LCSD**

**LCSD for HBN 180355 [VXX/16262]**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.

**SGS Environmental Services Inc.**

**Case Narrative**

**Customer: OASISEN**

**Oasis Environmental**

**Project: 1066641**

**FIA Drainage Pond Proj 95-017**

**NPDL WO:**

**741644 LCSD**

**LCSD for HBN 180386 [VXX/16266**

8260 - LCS/LCSD recovery for bromomethane does not meet QC goals (biased high). This analyte was not detected in the associated samples.



## Laboratory Analytical Report

Client: **Oasis Environmental**  
825 W 8th Ste 200  
Anchorage, AK 99501

Attn: **Ben Martich**  
T: (907)258-4880 F:(907)258-4033  
ben@oasisenviro.com

Project: **FIA Drainage Pond Proj 95-017**

Workorder No.: **1066641**

### Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Bryan Arnold  
Bryan\_Arnold@sgs.com  
Project Manager



Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

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

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



## SAMPLE SUMMARY

Print Date: 11/20/2006

**Client Name:** Oasis Environmental  
**Project Name:** FIA Drainage Pond Proj 95-017  
**Workorder No.:** 1066641

### Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO <sub>3</sub> QC	SM20 2320B
Dissolved Metals by ICP-MS	SW6020
Flow Injection Analysis	EPA 353.2
Ion Chromatographic Analysis (W)	EPA 300.0
Metals by ICP	SW6010B
Volatile Organic Compounds (W) FULL	SW8260B

### Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1066641001	TW1-15
1066641002	TW1-25
1066641003	TW1-35
1066641004	TW1-45
1066641005	TW2-15
1066641006	TW2-25
1066641007	TW2-35
1066641008	MW-36
1066641009	MW29R
1066641010	MW12
1066641011	MW37
1066641012	MW37 MS
1066641013	MW37 MSD
1066641014	MW20
1066641015	MW35
1066641016	MW11R-15
1066641017	MW11R-25
1066641018	MW11R-35
1066641019	MW11R-45
1066641020	MW11R
1066641021	MW30R
1066641022	MW34
1066641023	Trip Blank



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-15**  
SGS Ref. #: 1066641001  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 10:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8831	VXX16233	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8829	VXX16230	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8829	VXX16230	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
cis-1,2-Dichloroethene	9.34	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8829	VXX16230	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Benzene	8.04	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Toluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-15**  
SGS Ref. #: 1066641001  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 10:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Isopropylbenzene (Cumene)	0.390 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dichlorobenzene	0.530 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8829	VXX16230	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Dibromofluoromethane <surr>	103	85-115		%	1	VMS8829	VXX16230	
1,2-Dichloroethane-D4 <surr>	96.7	72-119		%	1	VMS8829	VXX16230	
Toluene-d8 <surr>	101	85-120		%	1	VMS8829	VXX16230	
4-Bromofluorobenzene <surr>	99.7	76-119		%	1	VMS8829	VXX16230	





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-15**  
SGS Ref. #: 1066641001  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 10:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8829			Prep Batch: VXX16230				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/06/06 21:17			Prep Date/Time: 11/06/06 12:00				Container ID:1066641001-A	
Dilution Factor: 1							Analyst: HLM	
Analytical Batch: VMS8831			Prep Batch: VXX16233				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/07/06 19:41			Prep Date/Time: 11/07/06 12:00				Container ID:1066641001-B	
Dilution Factor: 1							Analyst: HLM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-25**  
SGS Ref. #: 1066641002  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8831	VXX16233	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8829	VXX16230	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Trichlorofluoromethane	6.07	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8829	VXX16230	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
cis-1,2-Dichloroethene	1.01	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8829	VXX16230	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Benzene	8.66	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Toluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Tetrachloroethene	0.320 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-25**  
SGS Ref. #: 1066641002  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Isopropylbenzene (Cumene)	2.95	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Propylbenzene	1.11	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
sec-Butylbenzene	0.320 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dichlorobenzene	3.51	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8829	VXX16230	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8829	VXX16230	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Dibromofluoromethane <surr>	104	85-115		%	1	VMS8829	VXX16230	
1,2-Dichloroethane-D4 <surr>	104	72-119		%	1	VMS8829	VXX16230	
Toluene-d8 <surr>	98.8	85-120		%	1	VMS8829	VXX16230	
4-Bromofluorobenzene <surr>	101	76-119		%	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-25**  
SGS Ref. #: 1066641002  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8829			Prep Batch: VXX16230				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/06/06 17:06			Prep Date/Time: 11/06/06 12:00				Container ID:1066641002-A	
Dilution Factor: 1							Analyst: HLM	
Analytical Batch: VMS8831			Prep Batch: VXX16233				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/07/06 20:14			Prep Date/Time: 11/07/06 12:00				Container ID:1066641002-B	
Dilution Factor: 1							Analyst: HLM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-35**  
SGS Ref. #: 1066641003  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8835	VXX16247	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Trichlorofluoromethane	0.410 J	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8835	VXX16247	
Carbon disulfide	1.52 J	2.00	0.620	ug/L	1	VMS8835	VXX16247	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8835	VXX16247	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Benzene	0.260 J	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Toluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-35**  
SGS Ref. #: 1066641003  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8835	VXX16247	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Dibromofluoromethane <surr>	91.3	85-115		%	1	VMS8835	VXX16247	
1,2-Dichloroethane-D4 <surr>	101	72-119		%	1	VMS8835	VXX16247	
Toluene-d8 <surr>	97.5	85-120		%	1	VMS8835	VXX16247	
4-Bromofluorobenzene <surr>	97.5	76-119		%	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-35**  
SGS Ref. #: 1066641003  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 11:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8835			Prep Batch: VXX16247				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/09/06 16:58			Prep Date/Time: 11/09/06 12:15				Container ID:1066641003-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8837			Prep Batch: VXX16249				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/10/06 18:04			Prep Date/Time: 11/10/06 08:00				Container ID:1066641003-A	
Dilution Factor: 1							Analyst: MCM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-45**  
SGS Ref. #: 1066641004  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 09:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8831	VXX16233	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8829	VXX16230	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Trichlorofluoromethane	5.75	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8829	VXX16230	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
cis-1,2-Dichloroethene	1.02	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8829	VXX16230	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Benzene	8.68	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Toluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Tetrachloroethene	0.420 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-45**  
SGS Ref. #: 1066641004  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 09:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Isopropylbenzene (Cumene)	3.34	1.00	0.310	ug/L	1	VMS8829	VXX16230	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Propylbenzene	1.31	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
sec-Butylbenzene	0.420 J	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dichlorobenzene	3.88	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Naphthalene	0.740 J	2.00	0.620	ug/L	1	VMS8829	VXX16230	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8829	VXX16230	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Dibromofluoromethane <surr>	107	85-115		%	1	VMS8829	VXX16230	
1,2-Dichloroethane-D4 <surr>	104	72-119		%	1	VMS8829	VXX16230	
Toluene-d8 <surr>	99	85-120		%	1	VMS8829	VXX16230	
4-Bromofluorobenzene <surr>	97.5	76-119		%	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW1-45**  
SGS Ref. #: 1066641004  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 09:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8829			Prep Batch: VXX16230				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/06/06 21:52			Prep Date/Time: 11/06/06 12:00				Container ID:1066641004-A	
Dilution Factor: 1							Analyst: HLM	
Analytical Batch: VMS8831			Prep Batch: VXX16233				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/07/06 20:47			Prep Date/Time: 11/07/06 12:00				Container ID:1066641004-B	
Dilution Factor: 1							Analyst: HLM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-15**  
SGS Ref. #: 1066641005  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8835	VXX16247	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8835	VXX16247	
Carbon disulfide	0.700 J	2.00	0.620	ug/L	1	VMS8835	VXX16247	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
cis-1,2-Dichloroethene	0.860 J	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8835	VXX16247	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Benzene	1.97	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Toluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-15**  
SGS Ref. #: 1066641005  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8835	VXX16247	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Dibromofluoromethane <surr>	94	85-115		%	1	VMS8835	VXX16247	
1,2-Dichloroethane-D4 <surr>	104	72-119		%	1	VMS8835	VXX16247	
Toluene-d8 <surr>	99.8	85-120		%	1	VMS8835	VXX16247	
4-Bromofluorobenzene <surr>	99.8	76-119		%	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-15**  
SGS Ref. #: 1066641005  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8835			Prep Batch: VXX16247				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/09/06 17:34			Prep Date/Time: 11/09/06 12:15				Container ID:1066641005-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8837			Prep Batch: VXX16249				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/10/06 18:38			Prep Date/Time: 11/10/06 08:00				Container ID:1066641005-B	
Dilution Factor: 1							Analyst: MCM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-25**  
SGS Ref. #: 1066641006  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8835	VXX16247	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8835	VXX16247	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8835	VXX16247	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Benzene	1.14	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Toluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-25**  
SGS Ref. #: 1066641006  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dichlorobenzene	1.29	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8835	VXX16247	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Dibromofluoromethane <surr>	92.5	85-115		%	1	VMS8835	VXX16247	
1,2-Dichloroethane-D4 <surr>	105	72-119		%	1	VMS8835	VXX16247	
Toluene-d8 <surr>	98.8	85-120		%	1	VMS8835	VXX16247	
4-Bromofluorobenzene <surr>	99.4	76-119		%	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-25**  
SGS Ref. #: 1066641006  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 13:55  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8835			Prep Batch: VXX16247				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/09/06 18:09			Prep Date/Time: 11/09/06 12:15				Container ID:1066641006-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8837			Prep Batch: VXX16249				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/10/06 19:12			Prep Date/Time: 11/10/06 08:00				Container ID:1066641006-A	
Dilution Factor: 1							Analyst: MCM	





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-35**  
SGS Ref. #: 1066641007  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 14:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8835	VXX16247	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8835	VXX16247	
Carbon disulfide	2.03	2.00	0.620	ug/L	1	VMS8835	VXX16247	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8835	VXX16247	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Benzene	0.570	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Toluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-35**  
SGS Ref. #: 1066641007  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 14:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dichlorobenzene	0.730 J	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8835	VXX16247	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Dibromofluoromethane <surr>	94.4	85-115		%	1	VMS8835	VXX16247	
1,2-Dichloroethane-D4 <surr>	107	72-119		%	1	VMS8835	VXX16247	
Toluene-d8 <surr>	99.4	85-120		%	1	VMS8835	VXX16247	
4-Bromofluorobenzene <surr>	98.1	76-119		%	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **TW2-35**  
SGS Ref. #: 1066641007  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 14:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8835			Prep Batch: VXX16247				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/09/06 18:45			Prep Date/Time: 11/09/06 12:15				Container ID:1066641007-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8837			Prep Batch: VXX16249				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/10/06 19:45			Prep Date/Time: 11/10/06 08:00				Container ID:1066641007-A	
Dilution Factor: 1							Analyst: MCM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW-36**  
SGS Ref. #: 1066641008  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 16:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8835	VXX16247	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8835	VXX16247	
Carbon disulfide	1.51 J	2.00	0.620	ug/L	1	VMS8835	VXX16247	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chloroform	3.10	1.00	0.300	ug/L	1	VMS8835	VXX16247	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Benzene	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Toluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8835	VXX16247	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW-36**  
SGS Ref. #: 1066641008  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 16:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8837	VXX16249	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8835	VXX16247	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8835	VXX16247	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8835	VXX16247	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8835	VXX16247	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8835	VXX16247	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8835	VXX16247	
Dibromofluoromethane <surr>	88.7	85-115		%	1	VMS8835	VXX16247	
1,2-Dichloroethane-D4 <surr>	104	72-119		%	1	VMS8835	VXX16247	
Toluene-d8 <surr>	97.2	85-120		%	1	VMS8835	VXX16247	
4-Bromofluorobenzene <surr>	98	76-119		%	1	VMS8835	VXX16247	



Oasis Environmental

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Client Sample ID: **MW-36**  
SGS Ref. #: 1066641008  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 16:10  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8835			Prep Batch: VXX16247				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/09/06 19:21			Prep Date/Time: 11/09/06 12:15				Container ID:1066641008-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8837			Prep Batch: VXX16249				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/10/06 20:18			Prep Date/Time: 11/10/06 08:00				Container ID:1066641008-B	
Dilution Factor: 1							Analyst: MCM	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW29R**  
SGS Ref. #: 1066641009  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 14:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloroform	7.15	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	2.69	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	0.620 J	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW29R**  
SGS Ref. #: 1066641009  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 14:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	0.420 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	1.04 J	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	100	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	97.7	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	97.4	85-120		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	93.4	76-119		%	1	VMS8838	VXX16253	





Oasis Environmental

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Client Sample ID: **MW29R**  
SGS Ref. #: 1066641009  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 14:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 16:36			Prep Date/Time: 11/11/06 13:45				Container ID:1066641009-A	
Dilution Factor: 1							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW12**  
SGS Ref. #: 1066641010  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 17:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	7.39	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	5.61	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloroform	0.640 J	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	0.470	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	2.78	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW12**  
SGS Ref. #: 1066641010  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 17:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	0.490 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	1.62	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	61.1	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	224	10.0	3.10	ug/L	10	VMS8848	VXX16266	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	6.67	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	14.5	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	97.7	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	98.8	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	95	85-120		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	95	85-120		%	1	VMS8845	VXX16262	
4-Bromofluorobenzene <surr>	90.9	76-119		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	94.2	76-119		%	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW12**  
SGS Ref. #: 1066641010  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 17:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 17:12			Prep Date/Time: 11/11/06 13:45				Container ID:1066641010-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8845			Prep Batch: VXX16262				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/14/06 15:01			Prep Date/Time: 11/14/06 11:30				Container ID:1066641010-C	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/15/06 13:17			Prep Date/Time: 11/15/06 10:15				Container ID:1066641010-C	
Dilution Factor: 10							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW37**  
SGS Ref. #: 1066641011  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 18:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	1.20	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	1.00 J	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Chloroform	3.95	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	0.380 J	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW37**  
SGS Ref. #: 1066641011  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 18:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	0.990 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	99.9	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	99.9	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	95	85-120		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	91.9	76-119		%	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW37**  
SGS Ref. #: 1066641011  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/01/06 18:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 17:48			Prep Date/Time: 11/11/06 13:45				Container ID:1066641011-A	
Dilution Factor: 1							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Manganese	1.54	0.0100	0.00500	mg/L	1	MIP5194	MXX18391	

Batch Information

Analytical Batch: MIP5194  
Analytical Method: SW6010B  
Analysis Date/Time: 11/09/06 12:45  
Dilution Factor: 1

Prep Batch: MXX18391  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641014-F  
Analyst: DSH





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

**Dissolved Metals**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Iron	2380	1000	310	ug/L	5	MMS4530	MXX18390	

**Batch Information**

Analytical Batch: MMS4530  
Analytical Method: SW6020  
Analysis Date/Time: 11/10/06 11:11  
Dilution Factor: 5

Prep Batch: MXX18390  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641014-F  
Analyst: TK



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	19.8	0.100	0.0310	mg/L	1	WIC3992	WXX5614	
Nitrate-N	0.120	0.100	0.0310	mg/L	5	WF11347		
Chloride	16.9	0.100	0.0310	mg/L	1	WIC3992	WXX5614	

**Batch Information**

Analytical Batch: WF11347							Initial Prep Wt./Vol.: 5 mL
Analytical Method: EPA 353.2							
Analysis Date/Time: 11/03/06 16:19							Container ID:1066641014-D
Dilution Factor: 5							Analyst: ALR
<hr/>							
Analytical Batch: WIC3992			Prep Batch: WXX5614				Initial Prep Wt./Vol.: 10 mL
Analytical Method: EPA 300.0			Prep Method: H2O/EP300				Prep Extract Vol.: 10 mL
Analysis Date/Time: 11/15/06 21:11			Prep Date/Time: 11/15/06 15:24				Container ID:1066641014-D
Dilution Factor: 1							Analyst: ALR



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	0.350 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	34.5	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	0.740 J	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	0.340 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloroform	11.6	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	0.310 J	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	0.280 J	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	95.3	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	102	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	95.9	85-120		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	91.2	76-119		%	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066641014  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 08:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 20:12			Prep Date/Time: 11/11/06 13:45				Container ID:1066641014-A	
Dilution Factor: 1							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Manganese	1.61	0.0100	0.00500	mg/L	1	MIP5194	MXX18391	

Batch Information

Analytical Batch: MIP5194  
Analytical Method: SW6010B  
Analysis Date/Time: 11/09/06 12:53  
Dilution Factor: 1

Prep Batch: MXX18391  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641015-F  
Analyst: DSH



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

**Dissolved Metals**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Iron	2380	1000	310	ug/L	5	MMS4530	MXX18390	

**Batch Information**

Analytical Batch: MMS4530  
Analytical Method: SW6020  
Analysis Date/Time: 11/10/06 11:42  
Dilution Factor: 5

Prep Batch: MXX18390  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641015-F  
Analyst: TK



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	19.2	0.100	0.0310	mg/L	1	WIC3992	WXX5614	
Nitrate-N	0.0700 J	0.100	0.0310	mg/L	5	WF11347		
Chloride	16.0	0.100	0.0310	mg/L	1	WIC3992	WXX5614	

**Batch Information**

Analytical Batch: WF11347		Initial Prep Wt./Vol.: 5 mL
Analytical Method: EPA 353.2		
Analysis Date/Time: 11/03/06 16:21		Container ID:1066641015-D
Dilution Factor: 5		Analyst: ALR
<hr/>		
Analytical Batch: WIC3992	Prep Batch: WXX5614	Initial Prep Wt./Vol.: 10 mL
Analytical Method: EPA 300.0	Prep Method: H2O/EP300	Prep Extract Vol.: 10 mL
Analysis Date/Time: 11/15/06 21:30	Prep Date/Time: 11/15/06 15:24	Container ID:1066641015-D
Dilution Factor: 1		Analyst: ALR





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	0.350 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	34.5	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	0.860 J	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	0.330 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloroform	11.1	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	0.250 J	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	0.250 J	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	95.5	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	101	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	94.5	85-120		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	87.1	76-119		%	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066641015  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 10:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 20:48			Prep Date/Time: 11/11/06 13:45				Container ID:1066641015-A	
Dilution Factor: 1							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-15**  
SGS Ref. #: 1066641016  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:20  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Vinyl chloride	3.00	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8838	VXX16253	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethene	2.17	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Trichlorofluoromethane	1.43	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8838	VXX16253	
Carbon disulfide	1.67 J	2.00	0.620	ug/L	1	VMS8838	VXX16253	
trans-1,2-Dichloroethene	7.52	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
cis-1,2-Dichloroethene	800	100	31.0	ug/L	100	VMS8845	VXX16262	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8838	VXX16253	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Benzene	4.51	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Trichloroethene	6.28	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Toluene	2.19	1.00	0.310	ug/L	1	VMS8838	VXX16253	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Tetrachloroethene	13.6	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8838	VXX16253	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-15**  
SGS Ref. #: 1066641016  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:20  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Isopropylbenzene (Cumene)	0.650 J	1.00	0.310	ug/L	1	VMS8838	VXX16253	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8838	VXX16253	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8838	VXX16253	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8838	VXX16253	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8838	VXX16253	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8838	VXX16253	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8838	VXX16253	
Dibromofluoromethane <surr>	100	85-115		%	1	VMS8838	VXX16253	
1,2-Dichloroethane-D4 <surr>	102	72-119		%	1	VMS8838	VXX16253	
Toluene-d8 <surr>	98.2	85-120		%	1	VMS8838	VXX16253	
4-Bromofluorobenzene <surr>	94.8	76-119		%	1	VMS8838	VXX16253	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-15**  
SGS Ref. #: 1066641016  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:20  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8838			Prep Batch: VXX16253				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/11/06 22:36			Prep Date/Time: 11/11/06 13:45				Container ID:1066641016-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8845			Prep Batch: VXX16262				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/14/06 21:33			Prep Date/Time: 11/14/06 11:30				Container ID:1066641016-C	
Dilution Factor: 100							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-25**  
SGS Ref. #: 1066641017  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:25  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Vinyl chloride	2.66	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8845	VXX16262	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Trichlorofluoromethane	1.13	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethene	2.07	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Methylene chloride	1.36 J	5.00	1.00	ug/L	1	VMS8845	VXX16262	
Carbon disulfide	0.630 J	2.00	0.620	ug/L	1	VMS8845	VXX16262	
trans-1,2-Dichloroethene	8.28	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
cis-1,2-Dichloroethene	709	100	31.0	ug/L	100	VMS8848	VXX16266	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8845	VXX16262	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Benzene	4.30	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Trichloroethene	6.84	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Toluene	2.34	1.00	0.310	ug/L	1	VMS8845	VXX16262	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Tetrachloroethene	10.5	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-25**  
SGS Ref. #: 1066641017  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:25  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Isopropylbenzene (Cumene)	0.610 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dichlorobenzene	0.740 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8845	VXX16262	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Dibromofluoromethane <surr>	103	85-115		%	1	VMS8845	VXX16262	
1,2-Dichloroethane-D4 <surr>	95.6	72-119		%	1	VMS8845	VXX16262	
Toluene-d8 <surr>	97.1	85-120		%	1	VMS8845	VXX16262	
4-Bromofluorobenzene <surr>	98.5	76-119		%	1	VMS8845	VXX16262	





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-25**  
SGS Ref. #: 1066641017  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:25  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8845			Prep Batch: VXX16262				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/14/06 19:45			Prep Date/Time: 11/14/06 11:30				Container ID:1066641017-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/15/06 23:29			Prep Date/Time: 11/15/06 10:15				Container ID:1066641017-B	
Dilution Factor: 100							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-35**  
SGS Ref. #: 1066641018  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Vinyl chloride	1.95	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8845	VXX16262	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethene	1.49	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Methylene chloride	1.59 J	5.00	1.00	ug/L	1	VMS8845	VXX16262	
Carbon disulfide	0.890 J	2.00	0.620	ug/L	1	VMS8845	VXX16262	
trans-1,2-Dichloroethene	5.36	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
cis-1,2-Dichloroethene	541	100	31.0	ug/L	100	VMS8848	VXX16266	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2-Butanone (MEK)	40.3	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Chloroform	0.320 J	1.00	0.300	ug/L	1	VMS8845	VXX16262	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Benzene	3.44	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Trichloroethene	4.58	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Toluene	2.74	1.00	0.310	ug/L	1	VMS8845	VXX16262	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Tetrachloroethene	7.81	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
P & M -Xylene	0.980 J	2.00	0.620	ug/L	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-35**  
SGS Ref. #: 1066641018  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Isopropylbenzene (Cumene)	0.390 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
o-Xylene	0.410 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dichlorobenzene	0.530 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Naphthalene	0.790 J	2.00	0.620	ug/L	1	VMS8845	VXX16262	
Xylenes (total)	1.39 J	2.00	1.00	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8845	VXX16262	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Dibromofluoromethane <surr>	91.1	85-115		%	1	VMS8845	VXX16262	
1,2-Dichloroethane-D4 <surr>	84.4	72-119		%	1	VMS8845	VXX16262	
Toluene-d8 <surr>	86.3	85-120		%	1	VMS8845	VXX16262	
4-Bromofluorobenzene <surr>	90.2	76-119		%	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-35**  
SGS Ref. #: 1066641018  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:30  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8845			Prep Batch: VXX16262				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/14/06 20:21			Prep Date/Time: 11/14/06 11:30				Container ID:1066641018-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/16/06 00:05			Prep Date/Time: 11/15/06 10:15				Container ID:1066641018-A	
Dilution Factor: 100							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-45**  
SGS Ref. #: 1066641019  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Vinyl chloride	2.03	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8845	VXX16262	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethene	1.58	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8845	VXX16262	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
trans-1,2-Dichloroethene	5.69	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
cis-1,2-Dichloroethene	550	100	31.0	ug/L	100	VMS8848	VXX16266	
2-Butanone (MEK)	42.4	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chloroform	0.350 J	1.00	0.300	ug/L	1	VMS8845	VXX16262	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Benzene	3.36	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Trichloroethene	4.83	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Toluene	1.62	1.00	0.310	ug/L	1	VMS8845	VXX16262	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Tetrachloroethene	8.29	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8845	VXX16262	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-45**  
SGS Ref. #: 1066641019  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Isopropylbenzene (Cumene)	0.340 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
1,2-Dichlorobenzene	0.590 J	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8845	VXX16262	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8845	VXX16262	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8845	VXX16262	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8845	VXX16262	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8845	VXX16262	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8845	VXX16262	
Dibromofluoromethane <surr>	93.8	85-115		%	1	VMS8845	VXX16262	
1,2-Dichloroethane-D4 <surr>	90.5	72-119		%	1	VMS8845	VXX16262	
Toluene-d8 <surr>	89.1	85-120		%	1	VMS8845	VXX16262	
4-Bromofluorobenzene <surr>	91.7	76-119		%	1	VMS8845	VXX16262	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R-45**  
SGS Ref. #: 1066641019  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 11:35  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8845			Prep Batch: VXX16262				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/14/06 20:57			Prep Date/Time: 11/14/06 11:30				Container ID:1066641019-A	
Dilution Factor: 1							Analyst: KPW	
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/16/06 00:41			Prep Date/Time: 11/15/06 10:15				Container ID:1066641019-A	
Dilution Factor: 100							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R**  
SGS Ref. #: 1066641020  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 12:20  
Receipt Date/Time: 11/03/06 08:10

PWSID: 0

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Manganese	3.83	0.0100	0.00500	mg/L	1	MIP5194	MXX18391	

Batch Information

Analytical Batch: MIP5194  
Analytical Method: SW6010B  
Analysis Date/Time: 11/09/06 12:56  
Dilution Factor: 1

Prep Batch: MXX18391  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641020-C  
Analyst: DSH





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R**  
SGS Ref. #: 1066641020  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 12:20  
Receipt Date/Time: 11/03/06 08:10

PWSID: 0

**Dissolved Metals**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Iron	34000	1000	310	ug/L	5	MMS4530	MXX18390	

**Batch Information**

Analytical Batch: MMS4530  
Analytical Method: SW6020  
Analysis Date/Time: 11/10/06 12:01  
Dilution Factor: 5

Prep Batch: MXX18390  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641020-C  
Analyst: TK



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW11R**  
SGS Ref. #: 1066641020  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 12:20  
Receipt Date/Time: 11/03/06 08:10

PWSID: 0

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	9.17	0.100	0.0310	mg/L	1	WIC3992	WXX5614	
Nitrate-N	0.122	0.100	0.0310	mg/L	5	WF11347		
Chloride	5.49	0.100	0.0310	mg/L	1	WIC3992	WXX5614	
Alkalinity	480	10.0	3.10	mg/L	1	WT12717		

**Batch Information**

Analytical Batch: WF11347	Initial Prep Wt./Vol.: 5 mL
Analytical Method: EPA 353.2	
Analysis Date/Time: 11/03/06 16:22	Container ID:1066641020-A
Dilution Factor: 5	Analyst: ALR
Analytical Batch: WIC3992	Prep Batch: WXX5614
Analytical Method: EPA 300.0	Prep Method: H2O/EP300
Analysis Date/Time: 11/15/06 21:50	Prep Date/Time: 11/15/06 15:24
Dilution Factor: 1	Initial Prep Wt./Vol.: 10 mL
	Prep Extract Vol.: 10 mL
	Container ID:1066641020-A
	Analyst: ALR
Analytical Batch: WT12717	Initial Prep Wt./Vol.: 100 mL
Analytical Method: SM20 2320B	
Analysis Date/Time: 11/07/06 11:00	Container ID:1066641020-B
Dilution Factor: 1	Analyst: PLW



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Manganese	1.54	0.0100	0.00500	mg/L	1	MIP5194	MXX18391	

Batch Information

Analytical Batch: MIP5194  
Analytical Method: SW6010B  
Analysis Date/Time: 11/09/06 12:59  
Dilution Factor: 1

Prep Batch: MXX18391  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641021-E  
Analyst: DSH



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

**Dissolved Metals**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Iron	9780	1000	310	ug/L	5	MMS4530	MXX18390	

**Batch Information**

Analytical Batch: MMS4530  
Analytical Method: SW6020  
Analysis Date/Time: 11/10/06 12:06  
Dilution Factor: 5

Prep Batch: MXX18390  
Prep Method: SW3010A  
Prep Date/Time: 11/07/06 16:00

Initial Prep Wt./Vol.: 50 mL  
Prep Extract Vol.: 50 mL  
Container ID:1066641021-E  
Analyst: TK



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	8.42	0.100	0.0310	mg/L	1	WIC3992	WXX5614	
Nitrate-N	ND	0.100	0.0310	mg/L	5	WF11347		
Chloride	28.6	0.100	0.0310	mg/L	1	WIC3992	WXX5614	

**Batch Information**

Analytical Batch: WF11347  
Analytical Method: EPA 353.2  
Analysis Date/Time: 11/03/06 16:24  
Dilution Factor: 5

Initial Prep Wt./Vol.: 5 mL

Container ID:1066641021-C  
Analyst: ALR

Analytical Batch: WIC3992  
Analytical Method: EPA 300.0  
Analysis Date/Time: 11/15/06 22:09  
Dilution Factor: 1

Prep Batch: WXX5614  
Prep Method: H2O/EP300  
Prep Date/Time: 11/15/06 15:24

Initial Prep Wt./Vol.: 10 mL  
Prep Extract Vol.: 10 mL  
Container ID:1066641021-C  
Analyst: ALR



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8848	VXX16266	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8848	VXX16266	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
Chloroform	8.26	1.00	0.300	ug/L	1	VMS8848	VXX16266	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Benzene	0.390 J	0.400	0.120	ug/L	1	VMS8848	VXX16266	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Toluene	0.690 J	1.00	0.310	ug/L	1	VMS8848	VXX16266	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8848	VXX16266	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Chlorobenzene	2.39	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Ethylbenzene	1.36	1.00	0.310	ug/L	1	VMS8848	VXX16266	
P & M -Xylene	4.45	2.00	0.620	ug/L	1	VMS8848	VXX16266	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
o-Xylene	1.24	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,4-Dichlorobenzene	0.870	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3-Dichlorobenzene	0.320 J	1.00	0.310	ug/L	1	VMS8848	VXX16266	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
Xylenes (total)	5.69	2.00	1.00	ug/L	1	VMS8848	VXX16266	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8848	VXX16266	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Dibromofluoromethane <surr>	92.7	85-115		%	1	VMS8848	VXX16266	
1,2-Dichloroethane-D4 <surr>	94.3	72-119		%	1	VMS8848	VXX16266	
Toluene-d8 <surr>	92.2	85-120		%	1	VMS8848	VXX16266	
4-Bromofluorobenzene <surr>	94.3	76-119		%	1	VMS8848	VXX16266	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW30R**  
SGS Ref. #: 1066641021  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 14:40  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/15/06 13:53			Prep Date/Time: 11/15/06 10:15				Container ID:1066641021-A	
Dilution Factor: 1							Analyst: KPW	





Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW34**  
SGS Ref. #: 1066641022  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 16:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8848	VXX16266	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Trichlorofluoromethane	4.46	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8848	VXX16266	
Carbon disulfide	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8848	VXX16266	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Benzene	ND	0.400	0.120	ug/L	1	VMS8848	VXX16266	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Toluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8848	VXX16266	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW34**  
SGS Ref. #: 1066641022  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 16:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8848	VXX16266	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8848	VXX16266	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8848	VXX16266	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8848	VXX16266	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8848	VXX16266	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8848	VXX16266	
Dibromofluoromethane <surr>	89.6	85-115		%	1	VMS8848	VXX16266	
1,2-Dichloroethane-D4 <surr>	92.1	72-119		%	1	VMS8848	VXX16266	
Toluene-d8 <surr>	90.2	85-120		%	1	VMS8848	VXX16266	
4-Bromofluorobenzene <surr>	89.4	76-119		%	1	VMS8848	VXX16266	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **MW34**  
SGS Ref. #: 1066641022  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/02/06 16:15  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8848			Prep Batch: VXX16266				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/15/06 14:29			Prep Date/Time: 11/15/06 10:15				Container ID:1066641022-A	
Dilution Factor: 1							Analyst: KPW	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **Trip Blank**  
SGS Ref. #: 1066641023  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 07:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS8831	VXX16233	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS8829	VXX16230	
Chloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS8829	VXX16230	
Carbon disulfide	0.800 J	2.00	0.620	ug/L	1	VMS8829	VXX16230	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Chloroform	ND	1.00	0.300	ug/L	1	VMS8829	VXX16230	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Benzene	ND	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Toluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS8829	VXX16230	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **Trip Blank**  
SGS Ref. #: 1066641023  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 07:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Styrene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromoform	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS8829	VXX16230	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS8829	VXX16230	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS8829	VXX16230	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
2-Hexanone	ND	10.0	3.10	ug/L	1	VMS8829	VXX16230	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS8829	VXX16230	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS8829	VXX16230	
Dibromofluoromethane <surr>	108	85-115		%	1	VMS8829	VXX16230	
1,2-Dichloroethane-D4 <surr>	104	72-119		%	1	VMS8829	VXX16230	
Toluene-d8 <surr>	100	85-120		%	1	VMS8829	VXX16230	
4-Bromofluorobenzene <surr>	95.6	76-119		%	1	VMS8829	VXX16230	



Oasis Environmental

Print Date: 11/20/2006

Client Sample ID: **Trip Blank**  
SGS Ref. #: 1066641023  
Project ID: FIA Drainage Pond Proj 95-017  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 10/29/06 07:00  
Receipt Date/Time: 11/03/06 08:10

**Volatile Gas Chromatography/Mass Spectroscopy**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
<b>Batch Information</b>								
Analytical Batch: VMS8829			Prep Batch: VXX16230				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/06/06 20:41			Prep Date/Time: 11/06/06 12:00				Container ID:1066641023-A	
Dilution Factor: 1							Analyst: HLM	
Analytical Batch: VMS8831			Prep Batch: VXX16233				Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SW8260B			Prep Method: SW5030B				Prep Extract Vol.: 5 mL	
Analysis Date/Time: 11/07/06 19:08			Prep Date/Time: 11/07/06 12:00				Container ID:1066641023-A	
Dilution Factor: 1							Analyst: HLM	



SGS Ref.# 739311 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch  
Method  
Date

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Waters Department

Nitrate-N	ND	0.100	0.0310	mg/L	11/03/06
Batch	WF11347				
Method	EPA 353.2				
Instrument	Astoria segmented flow				



SGS Ref.# 739824 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16230  
Method SW5030B  
Date 11/06/2006

QC results affect the following production samples:

1066641001, 1066641002, 1066641004, 1066641023

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy





**SGS Ref.#** 739824 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16230  
**Method** SW5030B  
**Date** 11/06/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>					
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	11/06/06
Chloromethane	ND	1.00	0.310	ug/L	11/06/06
Bromomethane	ND	3.00	0.940	ug/L	11/06/06
Chloroethane	ND	1.00	0.310	ug/L	11/06/06
1,1-Dichloroethene	ND	1.00	0.310	ug/L	11/06/06
Trichlorofluoromethane	ND	1.00	0.310	ug/L	11/06/06
Methylene chloride	ND	5.00	1.00	ug/L	11/06/06
Carbon disulfide	ND	2.00	0.620	ug/L	11/06/06
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/06/06
1,1-Dichloroethane	ND	1.00	0.310	ug/L	11/06/06
2,2-Dichloropropane	ND	1.00	0.310	ug/L	11/06/06
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/06/06
Bromochloromethane	ND	1.00	0.310	ug/L	11/06/06
2-Butanone (MEK)	ND	10.0	3.10	ug/L	11/06/06
Chloroform	ND	1.00	0.300	ug/L	11/06/06
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	11/06/06
Carbon tetrachloride	ND	1.00	0.310	ug/L	11/06/06
1,1-Dichloropropene	ND	1.00	0.310	ug/L	11/06/06
Benzene	ND	0.400	0.120	ug/L	11/06/06
Trichloroethene	ND	1.00	0.310	ug/L	11/06/06
1,2-Dichloropropane	ND	1.00	0.310	ug/L	11/06/06
Dibromomethane	ND	1.00	0.310	ug/L	11/06/06
Bromodichloromethane	ND	0.500	0.150	ug/L	11/06/06
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	11/06/06
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	11/06/06
Toluene	ND	1.00	0.310	ug/L	11/06/06
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	11/06/06
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	11/06/06
Tetrachloroethene	ND	1.00	0.310	ug/L	11/06/06
1,3-Dichloropropane	ND	0.400	0.120	ug/L	11/06/06
Dibromochloromethane	ND	0.500	0.150	ug/L	11/06/06
1,2-Dibromoethane	ND	1.00	0.310	ug/L	11/06/06
Chlorobenzene	ND	0.500	0.150	ug/L	11/06/06
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/06/06
Ethylbenzene	ND	1.00	0.310	ug/L	11/06/06
P & M -Xylene	ND	2.00	0.620	ug/L	11/06/06
Styrene	ND	1.00	0.310	ug/L	11/06/06
Bromoform	ND	1.00	0.310	ug/L	11/06/06
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	11/06/06



SGS Ref.# 739824 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16230  
Method SW5030B  
Date 11/06/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Bromobenzene	ND	1.00	0.310	ug/L	11/06/06
o-Xylene	ND	1.00	0.310	ug/L	11/06/06
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/06/06
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	11/06/06
n-Propylbenzene	ND	1.00	0.310	ug/L	11/06/06
2-Chlorotoluene	ND	1.00	0.310	ug/L	11/06/06
4-Chlorotoluene	ND	1.00	0.310	ug/L	11/06/06
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	11/06/06
tert-Butylbenzene	ND	1.00	0.310	ug/L	11/06/06
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	11/06/06
sec-Butylbenzene	ND	1.00	0.310	ug/L	11/06/06
4-Isopropyltoluene	ND	1.00	0.310	ug/L	11/06/06
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	11/06/06
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	11/06/06
n-Butylbenzene	ND	1.00	0.310	ug/L	11/06/06
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	11/06/06
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	11/06/06
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	11/06/06
Hexachlorobutadiene	ND	1.00	0.310	ug/L	11/06/06
Xylenes (total)	ND	2.00	1.00	ug/L	11/06/06
Naphthalene	ND	2.00	0.620	ug/L	11/06/06
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	11/06/06
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	11/06/06
2-Hexanone	ND	10.0	3.10	ug/L	11/06/06
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	11/06/06
1,2-Dichloroethane	ND	0.500	0.150	ug/L	11/06/06

**Surrogates**

Dibromofluoromethane <surr>	100	85-115		%	11/06/06
1,2-Dichloroethane-D4 <surr>	101	72-119		%	11/06/06
Toluene-d8 <surr>	102	85-120		%	11/06/06
4-Bromofluorobenzene <surr>	103	76-119		%	11/06/06

Batch VMS8829  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



SGS Ref.# 739871 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch  
Method  
Date

QC results affect the following production samples:  
1066641020

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Waters Department

Alkalinity	ND	10.0	3.10	mg/L	11/07/06
Batch	WTI2717				
Method	SM20 2320B				
Instrument					



SGS Ref.# 739958 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch MXX18390  
Method SW3010A  
Date 11/07/2006

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Metals by ICP/MS**

Iron	ND	1000	310	ug/L	11/10/06
Batch	MMS4530				
Method	SW6020				
Instrument	Perkin Elmer Sciex ICP-MS P3				



SGS Ref.# 739977 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch MXX18391  
Method SW3010A  
Date 11/07/2006

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Metals Department

Manganese	ND	0.0100	0.00500	mg/L	11/09/06
Batch	MIP5194				
Method	SW6010B				
Instrument	TJA Enviro II ICP P2				



SGS Ref.# 740062 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16233  
Method SW5030B  
Date 11/07/2006

QC results affect the following production samples:

1066641001, 1066641002, 1066641004, 1066641023

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Vinyl chloride	ND	1.00	0.310	ug/L	11/07/06
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**Surrogates**

Dibromofluoromethane <surr>	100	85-115		%	11/07/06
1,2-Dichloroethane-D4 <surr>	103	72-119		%	11/07/06
Toluene-d8 <surr>	99.7	85-120		%	11/07/06
4-Bromofluorobenzene <surr>	100	76-119		%	11/07/06

Batch VMS8831  
Method SW8260B  
Instrument HP 5890 Series II MS3 VKA



SGS Ref.# 740712 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16247  
Method SW5030B  
Date 11/09/2006

QC results affect the following production samples:

1066641003, 1066641005, 1066641006, 1066641007, 1066641008

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.# 740712 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16247  
Method SW5030B  
Date 11/09/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Dichlorodifluoromethane	ND	1.00	0.310	ug/L	11/09/06
Chloromethane	ND	1.00	0.310	ug/L	11/09/06
Vinyl chloride	ND	1.00	0.310	ug/L	11/09/06
Bromomethane	ND	3.00	0.940	ug/L	11/09/06
Chloroethane	ND	1.00	0.310	ug/L	11/09/06
1,1-Dichloroethene	ND	1.00	0.310	ug/L	11/09/06
Trichlorofluoromethane	ND	1.00	0.310	ug/L	11/09/06
Methylene chloride	ND	5.00	1.00	ug/L	11/09/06
Carbon disulfide	ND	2.00	0.620	ug/L	11/09/06
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/09/06
1,1-Dichloroethane	ND	1.00	0.310	ug/L	11/09/06
2,2-Dichloropropane	ND	1.00	0.310	ug/L	11/09/06
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/09/06
Bromochloromethane	ND	1.00	0.310	ug/L	11/09/06
2-Butanone (MEK)	ND	10.0	3.10	ug/L	11/09/06
Chloroform	ND	1.00	0.300	ug/L	11/09/06
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	11/09/06
Carbon tetrachloride	ND	1.00	0.310	ug/L	11/09/06
1,1-Dichloropropene	ND	1.00	0.310	ug/L	11/09/06
Benzene	ND	0.400	0.120	ug/L	11/09/06
Trichloroethene	ND	1.00	0.310	ug/L	11/09/06
1,2-Dichloropropane	ND	1.00	0.310	ug/L	11/09/06
Dibromomethane	ND	1.00	0.310	ug/L	11/09/06
Bromodichloromethane	ND	0.500	0.150	ug/L	11/09/06
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	11/09/06
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	11/09/06
Toluene	ND	1.00	0.310	ug/L	11/09/06
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	11/09/06
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	11/09/06
Tetrachloroethene	ND	1.00	0.310	ug/L	11/09/06
1,3-Dichloropropane	ND	0.400	0.120	ug/L	11/09/06
Dibromochloromethane	ND	0.500	0.150	ug/L	11/09/06
1,2-Dibromoethane	ND	1.00	0.310	ug/L	11/09/06
Chlorobenzene	ND	0.500	0.150	ug/L	11/09/06
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/09/06
P & M -Xylene	ND	2.00	0.620	ug/L	11/09/06
Styrene	ND	1.00	0.310	ug/L	11/09/06
Bromoform	ND	1.00	0.310	ug/L	11/09/06
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	11/09/06





SGS Ref.# 740712 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16247  
Method SW5030B  
Date 11/09/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Bromobenzene	ND	1.00	0.310	ug/L	11/09/06
o-Xylene	ND	1.00	0.310	ug/L	11/09/06
n-Propylbenzene	ND	1.00	0.310	ug/L	11/09/06
2-Chlorotoluene	ND	1.00	0.310	ug/L	11/09/06
4-Chlorotoluene	ND	1.00	0.310	ug/L	11/09/06
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/09/06
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	11/09/06
tert-Butylbenzene	ND	1.00	0.310	ug/L	11/09/06
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	11/09/06
sec-Butylbenzene	ND	1.00	0.310	ug/L	11/09/06
4-Isopropyltoluene	ND	1.00	0.310	ug/L	11/09/06
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	11/09/06
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	11/09/06
n-Butylbenzene	ND	1.00	0.310	ug/L	11/09/06
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	11/09/06
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	11/09/06
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	11/09/06
Hexachlorobutadiene	ND	1.00	0.310	ug/L	11/09/06
Xylenes (total)	ND	2.00	1.00	ug/L	11/09/06
Naphthalene	ND	2.00	0.620	ug/L	11/09/06
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	11/09/06
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	11/09/06
2-Hexanone	ND	10.0	3.10	ug/L	11/09/06
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	11/09/06
1,2-Dichloroethane	ND	0.500	0.150	ug/L	11/09/06

**Surrogates**

Dibromofluoromethane <surr>	96	85-115		%	11/09/06
1,2-Dichloroethane-D4 <surr>	101	72-119		%	11/09/06
Toluene-d8 <surr>	98.2	85-120		%	11/09/06
4-Bromofluorobenzene <surr>	98.2	76-119		%	11/09/06

Batch VMS8835  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



SGS Ref.# 740856 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16249  
Method SW5030B  
Date 11/10/2006

QC results affect the following production samples:

1066641003, 1066641005, 1066641006, 1066641007, 1066641008

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Ethylbenzene	ND	1.00	0.310	ug/L	11/10/06
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	11/10/06

**Surrogates**

Dibromofluoromethane <surr>	113	85-115		%	11/10/06
1,2-Dichloroethane-D4 <surr>	124	* 72-119		%	11/10/06
Toluene-d8 <surr>	95.3	85-120		%	11/10/06
4-Bromofluorobenzene <surr>	94.9	76-119		%	11/10/06

Batch VMS8837  
Method SW8260B  
Instrument HP 5890 Series II MS3 VKA



SGS Ref.# 741026 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16253  
Method SW5030B  
Date 11/11/2006

QC results affect the following production samples:

1066641009, 1066641010, 1066641011, 1066641014, 1066641015, 1066641016

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.# 741026 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16253  
Method SW5030B  
Date 11/11/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>					
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	11/11/06
Chloromethane	ND	1.00	0.310	ug/L	11/11/06
Vinyl chloride	ND	1.00	0.310	ug/L	11/11/06
Bromomethane	ND	3.00	0.940	ug/L	11/11/06
Chloroethane	ND	1.00	0.310	ug/L	11/11/06
1,1-Dichloroethene	ND	1.00	0.310	ug/L	11/11/06
Trichlorofluoromethane	ND	1.00	0.310	ug/L	11/11/06
Methylene chloride	ND	5.00	1.00	ug/L	11/11/06
Carbon disulfide	ND	2.00	0.620	ug/L	11/11/06
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/11/06
1,1-Dichloroethane	ND	1.00	0.310	ug/L	11/11/06
2,2-Dichloropropane	ND	1.00	0.310	ug/L	11/11/06
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/11/06
Bromochloromethane	ND	1.00	0.310	ug/L	11/11/06
2-Butanone (MEK)	ND	10.0	3.10	ug/L	11/11/06
Chloroform	ND	1.00	0.300	ug/L	11/11/06
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	11/11/06
Carbon tetrachloride	ND	1.00	0.310	ug/L	11/11/06
1,1-Dichloropropene	ND	1.00	0.310	ug/L	11/11/06
Benzene	ND	0.400	0.120	ug/L	11/11/06
Trichloroethene	ND	1.00	0.310	ug/L	11/11/06
1,2-Dichloropropane	ND	1.00	0.310	ug/L	11/11/06
Dibromomethane	ND	1.00	0.310	ug/L	11/11/06
Bromodichloromethane	ND	0.500	0.150	ug/L	11/11/06
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	11/11/06
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	11/11/06
Toluene	ND	1.00	0.310	ug/L	11/11/06
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	11/11/06
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	11/11/06
Tetrachloroethene	ND	1.00	0.310	ug/L	11/11/06
1,3-Dichloropropane	ND	0.400	0.120	ug/L	11/11/06
Dibromochloromethane	ND	0.500	0.150	ug/L	11/11/06
1,2-Dibromoethane	ND	1.00	0.310	ug/L	11/11/06
Chlorobenzene	ND	0.500	0.150	ug/L	11/11/06
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/11/06
Ethylbenzene	ND	1.00	0.310	ug/L	11/11/06
P & M -Xylene	ND	2.00	0.620	ug/L	11/11/06
Styrene	ND	1.00	0.310	ug/L	11/11/06
Bromoform	ND	1.00	0.310	ug/L	11/11/06



**SGS Ref.#** 741026 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16253  
**Method** SW5030B  
**Date** 11/11/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	11/11/06
Bromobenzene	ND	1.00	0.310	ug/L	11/11/06
o-Xylene	ND	1.00	0.310	ug/L	11/11/06
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/11/06
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	11/11/06
n-Propylbenzene	ND	1.00	0.310	ug/L	11/11/06
2-Chlorotoluene	ND	1.00	0.310	ug/L	11/11/06
4-Chlorotoluene	ND	1.00	0.310	ug/L	11/11/06
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	11/11/06
tert-Butylbenzene	ND	1.00	0.310	ug/L	11/11/06
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	11/11/06
sec-Butylbenzene	ND	1.00	0.310	ug/L	11/11/06
4-Isopropyltoluene	ND	1.00	0.310	ug/L	11/11/06
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	11/11/06
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	11/11/06
n-Butylbenzene	ND	1.00	0.310	ug/L	11/11/06
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	11/11/06
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	11/11/06
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	11/11/06
Hexachlorobutadiene	ND	1.00	0.310	ug/L	11/11/06
Xylenes (total)	ND	2.00	1.00	ug/L	11/11/06
Naphthalene	ND	2.00	0.620	ug/L	11/11/06
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	11/11/06
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	11/11/06
2-Hexanone	ND	10.0	3.10	ug/L	11/11/06
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	11/11/06
1,2-Dichloroethane	ND	0.500	0.150	ug/L	11/11/06

**Surrogates**

Dibromofluoromethane <surr>	99.9	85-115		%	11/11/06
1,2-Dichloroethane-D4 <surr>	101	72-119		%	11/11/06
Toluene-d8 <surr>	97.9	85-120		%	11/11/06
4-Bromofluorobenzene <surr>	93.5	76-119		%	11/11/06

**Batch** VMS8838  
**Method** SW8260B  
**Instrument** HP 5890 Series II MS5 VLA



SGS Ref.# 741488 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16262  
Method SW5030B  
Date 11/14/2006

QC results affect the following production samples:

1066641010, 1066641016, 1066641017, 1066641018, 1066641019

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



**SGS Ref.#** 741488 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch Method** VXX16262  
**Date** SW5030B  
 11/14/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>					
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	11/14/06
Chloromethane	ND	1.00	0.310	ug/L	11/14/06
Vinyl chloride	ND	1.00	0.310	ug/L	11/14/06
Bromomethane	ND	3.00	0.940	ug/L	11/14/06
Chloroethane	ND	1.00	0.310	ug/L	11/14/06
1,1-Dichloroethene	ND	1.00	0.310	ug/L	11/14/06
Trichlorofluoromethane	ND	1.00	0.310	ug/L	11/14/06
Methylene chloride	ND	5.00	1.00	ug/L	11/14/06
Carbon disulfide	ND	2.00	0.620	ug/L	11/14/06
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/14/06
1,1-Dichloroethane	ND	1.00	0.310	ug/L	11/14/06
2,2-Dichloropropane	ND	1.00	0.310	ug/L	11/14/06
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/14/06
Bromochloromethane	ND	1.00	0.310	ug/L	11/14/06
2-Butanone (MEK)	ND	10.0	3.10	ug/L	11/14/06
Chloroform	ND	1.00	0.300	ug/L	11/14/06
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	11/14/06
Carbon tetrachloride	ND	1.00	0.310	ug/L	11/14/06
1,1-Dichloropropene	ND	1.00	0.310	ug/L	11/14/06
Benzene	ND	0.400	0.120	ug/L	11/14/06
Trichloroethene	ND	1.00	0.310	ug/L	11/14/06
1,2-Dichloropropane	ND	1.00	0.310	ug/L	11/14/06
Dibromomethane	ND	1.00	0.310	ug/L	11/14/06
Bromodichloromethane	ND	0.500	0.150	ug/L	11/14/06
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	11/14/06
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	11/14/06
Toluene	ND	1.00	0.310	ug/L	11/14/06
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	11/14/06
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	11/14/06
Tetrachloroethene	ND	1.00	0.310	ug/L	11/14/06
1,3-Dichloropropane	ND	0.400	0.120	ug/L	11/14/06
Dibromochloromethane	ND	0.500	0.150	ug/L	11/14/06
1,2-Dibromoethane	ND	1.00	0.310	ug/L	11/14/06
Chlorobenzene	ND	0.500	0.150	ug/L	11/14/06
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/14/06
Ethylbenzene	ND	1.00	0.310	ug/L	11/14/06
P & M -Xylene	ND	2.00	0.620	ug/L	11/14/06
Styrene	ND	1.00	0.310	ug/L	11/14/06
Bromoform	ND	1.00	0.310	ug/L	11/14/06



**SGS Ref.#** 741488 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16262  
**Method** SW5030B  
**Date** 11/14/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	11/14/06
Bromobenzene	ND	1.00	0.310	ug/L	11/14/06
o-Xylene	ND	1.00	0.310	ug/L	11/14/06
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	11/14/06
n-Propylbenzene	ND	1.00	0.310	ug/L	11/14/06
2-Chlorotoluene	ND	1.00	0.310	ug/L	11/14/06
4-Chlorotoluene	ND	1.00	0.310	ug/L	11/14/06
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/14/06
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	11/14/06
tert-Butylbenzene	ND	1.00	0.310	ug/L	11/14/06
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	11/14/06
sec-Butylbenzene	ND	1.00	0.310	ug/L	11/14/06
4-Isopropyltoluene	ND	1.00	0.310	ug/L	11/14/06
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	11/14/06
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	11/14/06
n-Butylbenzene	ND	1.00	0.310	ug/L	11/14/06
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	11/14/06
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	11/14/06
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	11/14/06
Hexachlorobutadiene	ND	1.00	0.310	ug/L	11/14/06
Xylenes (total)	ND	2.00	1.00	ug/L	11/14/06
Naphthalene	ND	2.00	0.620	ug/L	11/14/06
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	11/14/06
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	11/14/06
2-Hexanone	ND	10.0	3.10	ug/L	11/14/06
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	11/14/06
1,2-Dichloroethane	ND	0.500	0.150	ug/L	11/14/06

**Surrogates**

Dibromofluoromethane <surr>	101	85-115		%	11/14/06
1,2-Dichloroethane-D4 <surr>	101	72-119		%	11/14/06
Toluene-d8 <surr>	98.3	85-120		%	11/14/06
4-Bromofluorobenzene <surr>	97.4	76-119		%	11/14/06

**Batch** VMS8845  
**Method** SW8260B  
**Instrument** HP 5890 Series II MS5 VLA





SGS Ref.# 741642 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16266  
Method SW5030B  
Date 11/15/2006

QC results affect the following production samples:

1066641010, 1066641017, 1066641018, 1066641019, 1066641021, 1066641022

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



**SGS Ref.#** 741642 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch Method** VXX16266  
**Date** SW5030B  
 11/15/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>					
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	11/15/06
Chloromethane	ND	1.00	0.310	ug/L	11/15/06
Vinyl chloride	ND	1.00	0.310	ug/L	11/15/06
Bromomethane	ND	3.00	0.940	ug/L	11/15/06
Chloroethane	ND	1.00	0.310	ug/L	11/15/06
1,1-Dichloroethene	ND	1.00	0.310	ug/L	11/15/06
Trichlorofluoromethane	ND	1.00	0.310	ug/L	11/15/06
Methylene chloride	3.37 J	5.00	1.00	ug/L	11/15/06
Carbon disulfide	ND	2.00	0.620	ug/L	11/15/06
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/15/06
1,1-Dichloroethane	ND	1.00	0.310	ug/L	11/15/06
2,2-Dichloropropane	ND	1.00	0.310	ug/L	11/15/06
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	11/15/06
Bromochloromethane	ND	1.00	0.310	ug/L	11/15/06
2-Butanone (MEK)	ND	10.0	3.10	ug/L	11/15/06
Chloroform	ND	1.00	0.300	ug/L	11/15/06
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	11/15/06
Carbon tetrachloride	ND	1.00	0.310	ug/L	11/15/06
1,1-Dichloropropene	ND	1.00	0.310	ug/L	11/15/06
Benzene	ND	0.400	0.120	ug/L	11/15/06
Trichloroethene	ND	1.00	0.310	ug/L	11/15/06
1,2-Dichloropropane	ND	1.00	0.310	ug/L	11/15/06
Dibromomethane	ND	1.00	0.310	ug/L	11/15/06
Bromodichloromethane	ND	0.500	0.150	ug/L	11/15/06
2-Chloroethyl Vinyl Ether	ND	10.0	3.10	ug/L	11/15/06
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	11/15/06
Toluene	ND	1.00	0.310	ug/L	11/15/06
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	11/15/06
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	11/15/06
Tetrachloroethene	ND	1.00	0.310	ug/L	11/15/06
1,3-Dichloropropane	ND	0.400	0.120	ug/L	11/15/06
Dibromochloromethane	ND	0.500	0.150	ug/L	11/15/06
1,2-Dibromoethane	ND	1.00	0.310	ug/L	11/15/06
Chlorobenzene	ND	0.500	0.150	ug/L	11/15/06
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/15/06
Ethylbenzene	ND	1.00	0.310	ug/L	11/15/06
P & M -Xylene	ND	2.00	0.620	ug/L	11/15/06
Styrene	ND	1.00	0.310	ug/L	11/15/06
Bromoform	ND	1.00	0.310	ug/L	11/15/06



**SGS Ref.#** 741642 Method Blank  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16266  
**Method** SW5030B  
**Date** 11/15/2006

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	11/15/06
Bromobenzene	ND	1.00	0.310	ug/L	11/15/06
o-Xylene	ND	1.00	0.310	ug/L	11/15/06
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	11/15/06
n-Propylbenzene	ND	1.00	0.310	ug/L	11/15/06
2-Chlorotoluene	ND	1.00	0.310	ug/L	11/15/06
4-Chlorotoluene	ND	1.00	0.310	ug/L	11/15/06
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	11/15/06
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	11/15/06
tert-Butylbenzene	ND	1.00	0.310	ug/L	11/15/06
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	11/15/06
sec-Butylbenzene	ND	1.00	0.310	ug/L	11/15/06
4-Isopropyltoluene	ND	1.00	0.310	ug/L	11/15/06
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	11/15/06
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	11/15/06
n-Butylbenzene	ND	1.00	0.310	ug/L	11/15/06
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	11/15/06
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	11/15/06
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	11/15/06
Hexachlorobutadiene	ND	1.00	0.310	ug/L	11/15/06
Xylenes (total)	ND	2.00	1.00	ug/L	11/15/06
Naphthalene	ND	2.00	0.620	ug/L	11/15/06
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	11/15/06
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	11/15/06
2-Hexanone	ND	10.0	3.10	ug/L	11/15/06
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	11/15/06
1,2-Dichloroethane	ND	0.500	0.150	ug/L	11/15/06

**Surrogates**

Dibromofluoromethane <surr>	93.3	85-115		%	11/15/06
1,2-Dichloroethane-D4 <surr>	96.4	72-119		%	11/15/06
Toluene-d8 <surr>	92.9	85-120		%	11/15/06
4-Bromofluorobenzene <surr>	94	76-119		%	11/15/06

**Batch** VMS8848  
**Method** SW8260B  
**Instrument** HP 5890 Series II MS5 VLA



SGS Ref.# 741762 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch WXX5614  
Method H2O/EP300  
Date 11/15/2006

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Waters Department

Sulfate	ND	0.100	0.0310	mg/L	11/15/06
Chloride	ND	0.100	0.0310	mg/L	11/15/06

Batch WIC3992  
Method EPA 300.0  
Instrument Metrohm 733 IC3



SGS Ref.# 739874 Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Original 1066652001  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch  
Method  
Date

QC results affect the following production samples:  
1066641020

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
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Waters Department

Alkalinity	154	156	mg/L	1	(< 20)	11/07/2006
Batch	WT12717					
Method	SM20 2320B					
Instrument						



SGS Ref.# 741766 Undigested Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Original 1066603075  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch WXX5614  
Method H2O/EP300  
Date 11/15/2006 3:24:13PM

QC results affect the following production samples:

1066641014, 1066641015, 1066641020, 1066641021

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
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**Waters Department**

Sulfate	2.86	2.86	mg/L	0	(< 20)	11/15/2006
Chloride	0.801	0.803	mg/L	0	(< 20)	11/15/2006

Batch WIC3992  
Method EPA 300.0  
Instrument Metrohm 733 IC3





SGS Ref.# 739825 Lab Control Sample  
739826 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16230  
Method SW5030B  
Date 11/06/2006

QC results affect the following production samples:

1066641001, 1066641002, 1066641004, 1066641023

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy





SGS Ref.#	739825	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	739826	Lab Control Sample Duplicate	Prep	VXX16230	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	11/06/2006	
Matrix	Water (Surface, Eff., Ground)		Date		

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Dichlorodifluoromethane	LCS	35.9	120	( 54-131 )		30 ug/L	11/06/2006
	LCSD	37.2	124		4	(< 20 )	30 ug/L 11/06/2006
Chloromethane	LCS	30.4	101	( 56-125 )		30 ug/L	11/06/2006
	LCSD	31.6	105		4	(< 20 )	30 ug/L 11/06/2006
Bromomethane	LCS	40.5	135	( 57-141 )		30 ug/L	11/06/2006
	LCSD	42.1	140		4	(< 20 )	30 ug/L 11/06/2006
Chloroethane	LCS	28.7	96	( 60-133 )		30 ug/L	11/06/2006
	LCSD	28.7	96		0	(< 20 )	30 ug/L 11/06/2006
1,1-Dichloroethene	LCS	30.0	100	( 70-130 )		30 ug/L	11/06/2006
	LCSD	31.0	103		3	(< 20 )	30 ug/L 11/06/2006
Trichlorofluoromethane	LCS	26.2	87	( 72-129 )		30 ug/L	11/06/2006
	LCSD	27.3	91		4	(< 20 )	30 ug/L 11/06/2006
Methylene chloride	LCS	30.3	101	( 72-120 )		30 ug/L	11/06/2006
	LCSD	31.9	106		5	(< 20 )	30 ug/L 11/06/2006
Carbon disulfide	LCS	48.4	108	( 37-146 )		45 ug/L	11/06/2006
	LCSD	49.6	110		2	(< 20 )	45 ug/L 11/06/2006
trans-1,2-Dichloroethene	LCS	29.5	98	( 71-127 )		30 ug/L	11/06/2006
	LCSD	30.7	102		4	(< 20 )	30 ug/L 11/06/2006
1,1-Dichloroethane	LCS	25.0	83	( 81-120 )		30 ug/L	11/06/2006
	LCSD	26.1	87		5	(< 20 )	30 ug/L 11/06/2006
2,2-Dichloropropane	LCS	30.3	101	( 77-135 )		30 ug/L	11/06/2006
	LCSD	31.0	103		2	(< 20 )	30 ug/L 11/06/2006
cis-1,2-Dichloroethene	LCS	29.7	99	( 79-120 )		30 ug/L	11/06/2006
	LCSD	31.4	105		5	(< 20 )	30 ug/L 11/06/2006
Bromochloromethane	LCS	28.5	95	( 76-126 )		30 ug/L	11/06/2006
	LCSD	29.8	99		4	(< 20 )	30 ug/L 11/06/2006
2-Butanone (MEK)	LCS	90.3	100	( 67-136 )		90 ug/L	11/06/2006
	LCSD	93.8	104		4	(< 20 )	90 ug/L 11/06/2006



SGS Ref.#	739825	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	739826	Lab Control Sample Duplicate	Prep	VXX16230	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	11/06/2006	
Matrix	Water (Surface, Eff., Ground)		Date		

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Chloroform	LCS	27.3	91	( 86-115 )		30 ug/L	11/06/2006
	LCSD	28.4	95		4	(< 20 )	30 ug/L
1,1,1-Trichloroethane	LCS	29.9	100	( 82-120 )		30 ug/L	11/06/2006
	LCSD	30.6	102		2	(< 20 )	30 ug/L
Carbon tetrachloride	LCS	32.7	109	( 79-132 )		30 ug/L	11/06/2006
	LCSD	33.4	111		2	(< 20 )	30 ug/L
1,1-Dichloropropene	LCS	31.3	104	( 80-121 )		30 ug/L	11/06/2006
	LCSD	32.1	107		3	(< 20 )	30 ug/L
Benzene	LCS	28.1	94	( 84-115 )		30 ug/L	11/06/2006
	LCSD	28.9	96		3	(< 20 )	30 ug/L
Trichloroethene	LCS	30.0	100	( 82-118 )		30 ug/L	11/06/2006
	LCSD	30.6	102		2	(< 20 )	30 ug/L
1,2-Dichloropropane	LCS	28.9	97	( 88-115 )		30 ug/L	11/06/2006
	LCSD	29.7	99		3	(< 20 )	30 ug/L
Dibromomethane	LCS	28.4	95	( 86-119 )		30 ug/L	11/06/2006
	LCSD	29.1	97		3	(< 20 )	30 ug/L
Bromodichloromethane	LCS	28.2	94	( 81-120 )		30 ug/L	11/06/2006
	LCSD	29.4	98		4	(< 20 )	30 ug/L
2-Chloroethyl Vinyl Ether	LCS	48.7	108	( 63-148 )		45 ug/L	11/06/2006
	LCSD	45.1	100		8	(< 20 )	45 ug/L
cis-1,3-Dichloropropene	LCS	32.0	107	( 90-126 )		30 ug/L	11/06/2006
	LCSD	33.1	110		4	(< 20 )	30 ug/L
Toluene	LCS	28.1	94	( 81-115 )		30 ug/L	11/06/2006
	LCSD	29.9	100		6	(< 20 )	30 ug/L
trans-1,3-Dichloropropene	LCS	31.2	104	( 89-125 )		30 ug/L	11/06/2006
	LCSD	32.5	108		4	(< 20 )	30 ug/L
1,1,2-Trichloroethane	LCS	29.0	97	( 86-116 )		30 ug/L	11/06/2006



SGS Ref.#	739825	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	739826	Lab Control Sample Duplicate	Prep	VXX16230	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/06/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
	LCS	30.4	101	5	(< 20)	30 ug/L	11/06/2006
Tetrachloroethene	LCS	30.5	102	( 79-117 )		30 ug/L	11/06/2006
	LCS	31.4	105	3	(< 20)	30 ug/L	11/06/2006
1,3-Dichloropropane	LCS	29.3	98	( 86-118 )		30 ug/L	11/06/2006
	LCS	31.0	103	6	(< 20)	30 ug/L	11/06/2006
Dibromochloromethane	LCS	29.6	99	( 88-116 )		30 ug/L	11/06/2006
	LCS	31.4	105	6	(< 20)	30 ug/L	11/06/2006
1,2-Dibromoethane	LCS	30.4	101	( 86-119 )		30 ug/L	11/06/2006
	LCS	32.4	108	7	(< 20)	30 ug/L	11/06/2006
Chlorobenzene	LCS	29.2	98	( 88-115 )		30 ug/L	11/06/2006
	LCS	30.6	102	5	(< 20)	30 ug/L	11/06/2006
1,1,1,2-Tetrachloroethane	LCS	30.1	100	( 81-120 )		30 ug/L	11/06/2006
	LCS	32.1	107	7	(< 20)	30 ug/L	11/06/2006
Ethylbenzene	LCS	30.5	102	( 85-120 )		30 ug/L	11/06/2006
	LCS	32.0	107	5	(< 20)	30 ug/L	11/06/2006
P & M -Xylene	LCS	62.2	104	( 80-120 )		60 ug/L	11/06/2006
	LCS	64.4	107	3	(< 20)	60 ug/L	11/06/2006
Styrene	LCS	33.6	112	( 84-129 )		30 ug/L	11/06/2006
	LCS	34.7	116	3	(< 20)	30 ug/L	11/06/2006
Bromoform	LCS	31.9	106	( 85-126 )		30 ug/L	11/06/2006
	LCS	33.2	111	4	(< 20)	30 ug/L	11/06/2006
Isopropylbenzene (Cumene)	LCS	31.9	106	( 80-120 )		30 ug/L	11/06/2006
	LCS	33.1	110	4	(< 20)	30 ug/L	11/06/2006
Bromobenzene	LCS	28.9	96	( 87-115 )		30 ug/L	11/06/2006
	LCS	30.1	100	4	(< 20)	30 ug/L	11/06/2006
o-Xylene	LCS	32.1	107	( 80-120 )		30 ug/L	11/06/2006
	LCS	33.8	113	5	(< 20)	30 ug/L	11/06/2006



SGS Ref.#	739825	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	739826	Lab Control Sample Duplicate	Prep	VXX16230	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/06/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,1,2,2-Tetrachloroethane	LCS	26.0	87	( 80-123 )		30 ug/L	11/06/2006
	LCSD	27.4	92		6	(< 20 )	30 ug/L
1,2,3-Trichloropropane	LCS	28.2	94	( 86-118 )		30 ug/L	11/06/2006
	LCSD	29.3	98		4	(< 20 )	30 ug/L
n-Propylbenzene	LCS	29.7	99	( 87-123 )		30 ug/L	11/06/2006
	LCSD	30.7	102		3	(< 20 )	30 ug/L
2-Chlorotoluene	LCS	29.4	98	( 85-121 )		30 ug/L	11/06/2006
	LCSD	30.7	102		4	(< 20 )	30 ug/L
4-Chlorotoluene	LCS	29.6	99	( 81-126 )		30 ug/L	11/06/2006
	LCSD	30.9	103		4	(< 20 )	30 ug/L
1,3,5-Trimethylbenzene	LCS	30.9	103	( 87-118 )		30 ug/L	11/06/2006
	LCSD	32.0	107		4	(< 20 )	30 ug/L
tert-Butylbenzene	LCS	31.8	106	( 86-121 )		30 ug/L	11/06/2006
	LCSD	32.5	108		2	(< 20 )	30 ug/L
1,2,4-Trimethylbenzene	LCS	31.2	104	( 87-117 )		30 ug/L	11/06/2006
	LCSD	32.6	109		4	(< 20 )	30 ug/L
sec-Butylbenzene	LCS	32.9	110	( 88-125 )		30 ug/L	11/06/2006
	LCSD	34.1	114		4	(< 20 )	30 ug/L
4-Isopropyltoluene	LCS	31.8	106	( 83-119 )		30 ug/L	11/06/2006
	LCSD	32.7	109		3	(< 20 )	30 ug/L
1,4-Dichlorobenzene	LCS	29.6	99	( 82-121 )		30 ug/L	11/06/2006
	LCSD	31.0	103		5	(< 20 )	30 ug/L
1,2-Dichlorobenzene	LCS	25.7	86 *	( 86-114 )		30 ug/L	11/06/2006
	LCSD	26.6	89		4	(< 20 )	30 ug/L
n-Butylbenzene	LCS	32.0	107	( 83-130 )		30 ug/L	11/06/2006
	LCSD	33.2	111		4	(< 20 )	30 ug/L
1,3-Dichlorobenzene	LCS	29.1	97	( 83-118 )		30 ug/L	11/06/2006
	LCSD	30.6	102		5	(< 20 )	30 ug/L



SGS Ref.#	739825	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	739826	Lab Control Sample Duplicate	Prep	VXX16230	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	SW5030B	
Matrix	Water (Surface, Eff., Ground)		Date	11/06/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,2-Dibromo-3-chloropropane	LCS	27.3	91	( 80-122 )		30 ug/L	11/06/2006
	LCSD	28.5	95		5	(< 20 )	30 ug/L 11/06/2006
1,2,4-Trichlorobenzene	LCS	31.7	106	( 85-120 )		30 ug/L	11/06/2006
	LCSD	33.5	112		6	(< 20 )	30 ug/L 11/06/2006
Hexachlorobutadiene	LCS	31.2	104	( 81-126 )		30 ug/L	11/06/2006
	LCSD	32.1	107		3	(< 20 )	30 ug/L 11/06/2006
Xylenes (total)	LCS	94.3	105	( 80-120 )		90 ug/L	11/06/2006
	LCSD	98.2	109		4	(< 20 )	90 ug/L 11/06/2006
Naphthalene	LCS	31.9	106	( 82-126 )		30 ug/L	11/06/2006
	LCSD	33.5	112		5	(< 20 )	30 ug/L 11/06/2006
1,2,3-Trichlorobenzene	LCS	32.4	108	( 86-124 )		30 ug/L	11/06/2006
	LCSD	33.7	112		4	(< 20 )	30 ug/L 11/06/2006
4-Methyl-2-pentanone (MIBK)	LCS	99.0	110	( 73-134 )		90 ug/L	11/06/2006
	LCSD	105	117		6	(< 20 )	90 ug/L 11/06/2006
2-Hexanone	LCS	89.8	100	( 76-130 )		90 ug/L	11/06/2006
	LCSD	96.3	107		7	(< 20 )	90 ug/L 11/06/2006
Methyl-t-butyl ether	LCS	44.0	98	( 83-119 )		45 ug/L	11/06/2006
	LCSD	46.0	102		5	(< 20 )	45 ug/L 11/06/2006
1,2-Dichloroethane	LCS	27.3	91	( 82-119 )		30 ug/L	11/06/2006
	LCSD	29.3	98		7	(< 20 )	30 ug/L 11/06/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		101	( 85-115 )			11/06/2006
	LCSD		104		3		11/06/2006
1,2-Dichloroethane-D4 <surr>	LCS		98	( 72-119 )			11/06/2006
	LCSD		104		6		11/06/2006
Toluene-d8 <surr>	LCS		100	( 85-120 )			11/06/2006
	LCSD		105		4		11/06/2006



SGS Ref.# 739825 Lab Control Sample  
739826 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16230  
Method SW5030B  
Date 11/06/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatiles Gas Chromatography/Mass Spectroscopy**

4-Bromofluorobenzene <surr>	LCS	95	( 76-119 )				11/06/2006
	LCSD	103		7			11/06/2006

Batch VMS8829  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



SGS Ref.# 739872 Lab Control Sample

Printed Date/Time 11/20/2006 9:58

Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Prep Batch  
Method  
Date

QC results affect the following production samples:

1066641020

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Waters Department**

Alkalinity LCS 258 103 ( 90-110 ) 250 mg/L 11/07/2006

Batch WT12717  
Method SM20 2320B  
Instrument



SGS Ref.# 739959 Lab Control Sample  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch MXX18390  
Method SW3010A  
Date 11/07/2006

QC results affect the following production samples:

1066641014, 1066641015, 1066641020, 1066641021

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Metals by ICP/MS**

Iron	LCS	904 J	90	( 80-120 )		1000 ug/L	11/10/2006
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Batch MMS4530  
Method SW6020  
Instrument Perkin Elmer Sciex ICP-MS P3





SGS Ref.# 739978 Lab Control Sample  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch MXX18391  
Method SW3010A  
Date 11/07/2006

QC results affect the following production samples:

1066641014, 1066641015, 1066641020, 1066641021

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Metals Department**

Manganese LCS 0.952 95 ( 80-120 ) 1 mg/L 11/09/2006

Batch MIP5194  
Method SW6010B  
Instrument TJA Enviro II ICP P2



SGS Ref.# 740063 Lab Control Sample  
740064 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16233  
Method SW5030B  
Date 11/07/2006

QC results affect the following production samples:

1066641001, 1066641002, 1066641004, 1066641023

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Vinyl chloride	LCS	87.4	291 *	( 50-134 )		30 ug/L	11/07/2006
	LCSD	84.4	281 *		4	(< 20 )	30 ug/L 11/07/2006

**Surrogates**

Dibromofluoromethane <surr>	LCS		96	( 85-115 )			11/07/2006
	LCSD		96		0		11/07/2006
1,2-Dichloroethane-D4 <surr>	LCS		101	( 72-119 )			11/07/2006
	LCSD		100		0		11/07/2006
Toluene-d8 <surr>	LCS		95	( 85-120 )			11/07/2006
	LCSD		96		2		11/07/2006
4-Bromofluorobenzene <surr>	LCS		100	( 76-119 )			11/07/2006
	LCSD		105		5		11/07/2006

Batch VMS8831  
Method SW8260B  
Instrument HP 5890 Series II MS3 VKA



SGS Ref.# 740713 Lab Control Sample  
740714 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16247  
Method SW5030B  
Date 11/09/2006

QC results affect the following production samples:

1066641003, 1066641005, 1066641006, 1066641007, 1066641008

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.#	740713	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	740714	Lab Control Sample Duplicate	Prep	VXX16247	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/09/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Dichlorodifluoromethane	LCS	38.6	129	( 54-131 )		30 ug/L	11/09/2006
	LCSD	37.6	125		2	(< 20)	30 ug/L 11/09/2006
Chloromethane	LCS	30.9	103	( 56-125 )		30 ug/L	11/09/2006
	LCSD	30.3	101		2	(< 20)	30 ug/L 11/09/2006
Vinyl chloride	LCS	30.0	100	( 50-134 )		30 ug/L	11/09/2006
	LCSD	29.3	98		3	(< 20)	30 ug/L 11/09/2006
Bromomethane	LCS	97.1	324 *	( 57-141 )		30 ug/L	11/09/2006
	LCSD	100	334 *		3	(< 20)	30 ug/L 11/09/2006
Chloroethane	LCS	29.2	97	( 60-133 )		30 ug/L	11/09/2006
	LCSD	28.4	95		3	(< 20)	30 ug/L 11/09/2006
1,1-Dichloroethene	LCS	29.3	98	( 70-130 )		30 ug/L	11/09/2006
	LCSD	28.5	95		3	(< 20)	30 ug/L 11/09/2006
Trichlorofluoromethane	LCS	28.9	96	( 72-129 )		30 ug/L	11/09/2006
	LCSD	27.8	93		4	(< 20)	30 ug/L 11/09/2006
Methylene chloride	LCS	30.2	101	( 72-120 )		30 ug/L	11/09/2006
	LCSD	29.3	98		3	(< 20)	30 ug/L 11/09/2006
Carbon disulfide	LCS	42.5	94	( 37-146 )		45 ug/L	11/09/2006
	LCSD	41.9	93		1	(< 20)	45 ug/L 11/09/2006
trans-1,2-Dichloroethene	LCS	28.4	95	( 71-127 )		30 ug/L	11/09/2006
	LCSD	27.5	92		3	(< 20)	30 ug/L 11/09/2006
1,1-Dichloroethane	LCS	28.6	95	( 81-120 )		30 ug/L	11/09/2006
	LCSD	27.8	93		3	(< 20)	30 ug/L 11/09/2006
2,2-Dichloropropane	LCS	29.2	97	( 77-135 )		30 ug/L	11/09/2006
	LCSD	28.5	95		2	(< 20)	30 ug/L 11/09/2006
cis-1,2-Dichloroethene	LCS	27.3	91	( 79-120 )		30 ug/L	11/09/2006
	LCSD	26.7	89		2	(< 20)	30 ug/L 11/09/2006
Bromochloromethane	LCS	27.8	93	( 76-126 )		30 ug/L	11/09/2006
	LCSD	27.0	90		3	(< 20)	30 ug/L 11/09/2006



SGS Ref.#	740713	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	740714	Lab Control Sample Duplicate	Prep	VXX16247	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	11/09/2006	
Matrix	Water (Surface, Eff., Ground)		Date		

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
2-Butanone (MEK)	LCS	80.7	90	( 67-136 )		90 ug/L	11/09/2006
	LCSD	78.4	87		3	(< 20 )	90 ug/L
Chloroform	LCS	26.9	90	( 86-115 )		30 ug/L	11/09/2006
	LCSD	26.5	88		2	(< 20 )	30 ug/L
1,1,1-Trichloroethane	LCS	27.9	93	( 82-120 )		30 ug/L	11/09/2006
	LCSD	27.3	91		2	(< 20 )	30 ug/L
Carbon tetrachloride	LCS	29.3	98	( 79-132 )		30 ug/L	11/09/2006
	LCSD	28.5	95		3	(< 20 )	30 ug/L
1,1-Dichloropropene	LCS	29.3	98	( 80-121 )		30 ug/L	11/09/2006
	LCSD	29.2	97		0	(< 20 )	30 ug/L
Benzene	LCS	26.6	89	( 84-115 )		30 ug/L	11/09/2006
	LCSD	26.1	87		2	(< 20 )	30 ug/L
Trichloroethene	LCS	27.2	91	( 82-118 )		30 ug/L	11/09/2006
	LCSD	26.8	89		1	(< 20 )	30 ug/L
1,2-Dichloropropane	LCS	28.1	94	( 88-115 )		30 ug/L	11/09/2006
	LCSD	27.6	92		2	(< 20 )	30 ug/L
Dibromomethane	LCS	27.1	90	( 86-119 )		30 ug/L	11/09/2006
	LCSD	26.0	87		4	(< 20 )	30 ug/L
Bromodichloromethane	LCS	27.3	91	( 81-120 )		30 ug/L	11/09/2006
	LCSD	26.8	90		2	(< 20 )	30 ug/L
2-Chloroethyl Vinyl Ether	LCS	47.4	105	( 63-148 )		45 ug/L	11/09/2006
	LCSD	46.8	104		1	(< 20 )	45 ug/L
cis-1,3-Dichloropropene	LCS	29.1	97	( 90-126 )		30 ug/L	11/09/2006
	LCSD	28.1	94		4	(< 20 )	30 ug/L
Toluene	LCS	25.5	85	( 81-115 )		30 ug/L	11/09/2006
	LCSD	25.2	84		1	(< 20 )	30 ug/L
trans-1,3-Dichloropropene	LCS	29.1	97	( 89-125 )		30 ug/L	11/09/2006



SGS Ref.#	740713	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	740714	Lab Control Sample Duplicate	Prep	Batch	VXX16247
Client Name	Oasis Environmental		Method	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Date	11/09/2006	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
	LCS	29.0	97				
	LCS	27.8	93	( 86-116 )			
1,1,2-Trichloroethane	LCS	27.8	93				
	LCS	27.8	93				
	LCS	28.2	94	( 79-117 )			
Tetrachloroethene	LCS	27.9	93				
	LCS	28.4	95	( 86-118 )			
1,3-Dichloropropane	LCS	28.3	94				
	LCS	26.6	89	( 88-116 )			
Dibromochloromethane	LCS	26.6	89				
	LCS	27.6	92	( 86-119 )			
1,2-Dibromoethane	LCS	27.0	90				
	LCS	27.1	90	( 88-115 )			
Chlorobenzene	LCS	26.6	89				
	LCS	28.6	95	( 81-120 )			
1,1,1,2-Tetrachloroethane	LCS	28.2	94				
	LCS	52.1	87	( 80-120 )			
P & M -Xylene	LCS	51.8	86				
	LCS	27.1	90	( 84-129 )			
Styrene	LCS	27.0	90				
	LCS	26.0	87	( 85-126 )			
Bromoform	LCS	25.7	86				
	LCS	25.3	84	( 80-120 )			
Isopropylbenzene (Cumene)	LCS	25.2	84				
	LCS	27.7	92	( 87-115 )			
Bromobenzene	LCS	27.8	93				
	LCS	26.1	87	( 80-120 )			
o-Xylene	LCS	26.3	88				



**SGS Ref.#** 740713 Lab Control Sample  
 740714 Lab Control Sample Duplicate  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16247  
**Method** SW5030B  
**Date** 11/09/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
n-Propylbenzene	LCS	26.6	89	( 87-123 )		30 ug/L	11/09/2006
	LCSD	27.2	91		2 (< 20)	30 ug/L	11/09/2006
2-Chlorotoluene	LCS	27.9	93	( 85-121 )		30 ug/L	11/09/2006
	LCSD	28.4	95		2 (< 20)	30 ug/L	11/09/2006
4-Chlorotoluene	LCS	27.5	92	( 81-126 )		30 ug/L	11/09/2006
	LCSD	28.1	94		2 (< 20)	30 ug/L	11/09/2006
1,1,2,2-Tetrachloroethane	LCS	28.4	95	( 80-123 )		30 ug/L	11/09/2006
	LCSD	28.8	96		1 (< 20)	30 ug/L	11/09/2006
1,3,5-Trimethylbenzene	LCS	26.9	90	( 87-118 )		30 ug/L	11/09/2006
	LCSD	27.4	91		2 (< 20)	30 ug/L	11/09/2006
tert-Butylbenzene	LCS	27.9	93	( 86-121 )		30 ug/L	11/09/2006
	LCSD	28.5	95		2 (< 20)	30 ug/L	11/09/2006
1,2,4-Trimethylbenzene	LCS	26.1	87 *	( 87-117 )		30 ug/L	11/09/2006
	LCSD	26.3	88		1 (< 20)	30 ug/L	11/09/2006
sec-Butylbenzene	LCS	29.2	97	( 88-125 )		30 ug/L	11/09/2006
	LCSD	29.8	100		2 (< 20)	30 ug/L	11/09/2006
4-Isopropyltoluene	LCS	27.8	93	( 83-119 )		30 ug/L	11/09/2006
	LCSD	28.5	95		2 (< 20)	30 ug/L	11/09/2006
1,4-Dichlorobenzene	LCS	27.9	93	( 82-121 )		30 ug/L	11/09/2006
	LCSD	28.4	95		2 (< 20)	30 ug/L	11/09/2006
1,2-Dichlorobenzene	LCS	27.1	90	( 86-114 )		30 ug/L	11/09/2006
	LCSD	27.5	92		1 (< 20)	30 ug/L	11/09/2006
n-Butylbenzene	LCS	28.5	95	( 83-130 )		30 ug/L	11/09/2006
	LCSD	29.4	98		3 (< 20)	30 ug/L	11/09/2006
1,3-Dichlorobenzene	LCS	28.0	93	( 83-118 )		30 ug/L	11/09/2006
	LCSD	28.4	95		1 (< 20)	30 ug/L	11/09/2006
1,2-Dibromo-3-chloropropane	LCS	25.5	85	( 80-122 )		30 ug/L	11/09/2006
	LCSD	25.6	86		0 (< 20)	30 ug/L	11/09/2006



SGS Ref.#	740713	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	740714	Lab Control Sample Duplicate	Prep	VXX16247	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	SW5030B	
Matrix	Water (Surface, Eff., Ground)		Date	11/09/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,2,4-Trichlorobenzene	LCS	26.5	88	( 85-120 )		30 ug/L	11/09/2006
	LCSD	27.6	92		4	(< 20 )	30 ug/L 11/09/2006
Hexachlorobutadiene	LCS	28.8	96	( 81-126 )		30 ug/L	11/09/2006
	LCSD	29.3	98		2	(< 20 )	30 ug/L 11/09/2006
Xylenes (total)	LCS	78.3	87	( 80-120 )		90 ug/L	11/09/2006
	LCSD	78.1	87		0	(< 20 )	90 ug/L 11/09/2006
Naphthalene	LCS	26.7	89	( 82-126 )		30 ug/L	11/09/2006
	LCSD	27.6	92		3	(< 20 )	30 ug/L 11/09/2006
1,2,3-Trichlorobenzene	LCS	26.5	88	( 86-124 )		30 ug/L	11/09/2006
	LCSD	27.0	90		2	(< 20 )	30 ug/L 11/09/2006
4-Methyl-2-pentanone (MIBK)	LCS	80.6	90	( 73-134 )		90 ug/L	11/09/2006
	LCSD	77.6	86		4	(< 20 )	90 ug/L 11/09/2006
2-Hexanone	LCS	85.5	95	( 76-130 )		90 ug/L	11/09/2006
	LCSD	86.5	96		1	(< 20 )	90 ug/L 11/09/2006
Methyl-t-butyl ether	LCS	40.5	90	( 83-119 )		45 ug/L	11/09/2006
	LCSD	39.6	88		2	(< 20 )	45 ug/L 11/09/2006
1,2-Dichloroethane	LCS	27.7	92	( 82-119 )		30 ug/L	11/09/2006
	LCSD	27.1	90		2	(< 20 )	30 ug/L 11/09/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		99	( 85-115 )			11/09/2006
	LCSD		97		2		11/09/2006
1,2-Dichloroethane-D4 <surr>	LCS		101	( 72-119 )			11/09/2006
	LCSD		99		2		11/09/2006
Toluene-d8 <surr>	LCS		100	( 85-120 )			11/09/2006
	LCSD		99		1		11/09/2006
4-Bromofluorobenzene <surr>	LCS		100	( 76-119 )			11/09/2006
	LCSD		98		2		11/09/2006





SGS Ref.# 740713 Lab Control Sample  
740714 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16247  
Method SW5030B  
Date 11/09/2006

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Batch VMS8835  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



**SGS Ref.#** 740857 Lab Control Sample  
 740858 Lab Control Sample Duplicate  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16249  
**Method** SW5030B  
**Date** 11/10/2006

QC results affect the following production samples:  
 1066641003, 1066641005, 1066641006, 1066641007, 1066641008

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Ethylbenzene	LCS	32.5	108	( 85-120 )		30 ug/L	11/10/2006
	LCSD	32.7	109		1	(< 20 )	30 ug/L 11/10/2006
1,2,3-Trichloropropane	LCS	32.3	108	( 86-118 )		30 ug/L	11/10/2006
	LCSD	32.1	107		1	(< 20 )	30 ug/L 11/10/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		106	( 85-115 )			11/10/2006
	LCSD		104		2		11/10/2006
1,2-Dichloroethane-D4 <surr>	LCS		114	( 72-119 )			11/10/2006
	LCSD		114		0		11/10/2006
Toluene-d8 <surr>	LCS		93	( 85-120 )			11/10/2006
	LCSD		94		1		11/10/2006
4-Bromofluorobenzene <surr>	LCS		92	( 76-119 )			11/10/2006
	LCSD		92		0		11/10/2006

**Batch** VMS8837  
**Method** SW8260B  
**Instrument** HP 5890 Series II MS3 VKA



SGS Ref.# 741027 Lab Control Sample  
741028 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16253  
Method SW5030B  
Date 11/11/2006

QC results affect the following production samples:

1066641009, 1066641010, 1066641011, 1066641014, 1066641015, 1066641016

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.#	741027	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741028	Lab Control Sample Duplicate	Prep	VXX16253	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/11/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Dichlorodifluoromethane	LCS	40.5	135 *	( 54-131 )		30 ug/L	11/11/2006
	LCSD	41.5	138 *		2	(< 20)	30 ug/L
Chloromethane	LCS	29.7	99	( 56-125 )		30 ug/L	11/11/2006
	LCSD	31.1	104		5	(< 20)	30 ug/L
Vinyl chloride	LCS	31.6	105	( 50-134 )		30 ug/L	11/11/2006
	LCSD	33.0	110		4	(< 20)	30 ug/L
Bromomethane	LCS	91.8	306 *	( 57-141 )		30 ug/L	11/11/2006
	LCSD	99.9	333 *		8	(< 20)	30 ug/L
Chloroethane	LCS	31.6	105	( 60-133 )		30 ug/L	11/11/2006
	LCSD	32.7	109		4	(< 20)	30 ug/L
1,1-Dichloroethene	LCS	32.4	108	( 70-130 )		30 ug/L	11/11/2006
	LCSD	33.0	110		2	(< 20)	30 ug/L
Trichlorofluoromethane	LCS	30.5	102	( 72-129 )		30 ug/L	11/11/2006
	LCSD	31.2	104		2	(< 20)	30 ug/L
Methylene chloride	LCS	12.4	41 *	( 72-120 )		30 ug/L	11/11/2006
	LCSD	24.1	80		64 *	(< 20)	30 ug/L
Carbon disulfide	LCS	46.0	102	( 37-146 )		45 ug/L	11/11/2006
	LCSD	47.3	105		3	(< 20)	45 ug/L
trans-1,2-Dichloroethene	LCS	30.8	103	( 71-127 )		30 ug/L	11/11/2006
	LCSD	31.9	106		3	(< 20)	30 ug/L
1,1-Dichloroethane	LCS	29.9	100	( 81-120 )		30 ug/L	11/11/2006
	LCSD	30.6	102		2	(< 20)	30 ug/L
2,2-Dichloropropane	LCS	30.7	102	( 77-135 )		30 ug/L	11/11/2006
	LCSD	31.1	104		1	(< 20)	30 ug/L
cis-1,2-Dichloroethene	LCS	29.4	98	( 79-120 )		30 ug/L	11/11/2006
	LCSD	30.1	100		3	(< 20)	30 ug/L
Bromochloromethane	LCS	30.8	103	( 76-126 )		30 ug/L	11/11/2006
	LCSD	32.2	107		5	(< 20)	30 ug/L



SGS Ref.#	741027	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741028	Lab Control Sample Duplicate	Prep	VXX16253	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	SW5030B	
Matrix	Water (Surface, Eff., Ground)		Date	11/11/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
2-Butanone (MEK)	LCS	92.6	103	( 67-136 )		90 ug/L	11/11/2006
	LCSD	91.0	101		2	(< 20 )	90 ug/L
Chloroform	LCS	29.0	97	( 86-115 )		30 ug/L	11/11/2006
	LCSD	29.5	98		2	(< 20 )	30 ug/L
1,1,1-Trichloroethane	LCS	30.3	101	( 82-120 )		30 ug/L	11/11/2006
	LCSD	31.5	105		4	(< 20 )	30 ug/L
Carbon tetrachloride	LCS	31.7	106	( 79-132 )		30 ug/L	11/11/2006
	LCSD	32.3	108		2	(< 20 )	30 ug/L
1,1-Dichloropropene	LCS	31.1	104	( 80-121 )		30 ug/L	11/11/2006
	LCSD	31.9	106		3	(< 20 )	30 ug/L
Benzene	LCS	28.2	94	( 84-115 )		30 ug/L	11/11/2006
	LCSD	28.9	97		3	(< 20 )	30 ug/L
Trichloroethene	LCS	29.1	97	( 82-118 )		30 ug/L	11/11/2006
	LCSD	30.3	101		4	(< 20 )	30 ug/L
1,2-Dichloropropane	LCS	29.6	99	( 88-115 )		30 ug/L	11/11/2006
	LCSD	30.9	103		4	(< 20 )	30 ug/L
Dibromomethane	LCS	29.8	99	( 86-119 )		30 ug/L	11/11/2006
	LCSD	29.9	100		0	(< 20 )	30 ug/L
Bromodichloromethane	LCS	29.5	98	( 81-120 )		30 ug/L	11/11/2006
	LCSD	29.9	100		1	(< 20 )	30 ug/L
2-Chloroethyl Vinyl Ether	LCS	44.9	100	( 63-148 )		45 ug/L	11/11/2006
	LCSD	45.3	101		1	(< 20 )	45 ug/L
cis-1,3-Dichloropropene	LCS	30.6	102	( 90-126 )		30 ug/L	11/11/2006
	LCSD	31.5	105		3	(< 20 )	30 ug/L
Toluene	LCS	26.5	88	( 81-115 )		30 ug/L	11/11/2006
	LCSD	27.5	92		4	(< 20 )	30 ug/L
trans-1,3-Dichloropropene	LCS	30.5	102	( 89-125 )		30 ug/L	11/11/2006



SGS Ref.#	741027	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741028	Lab Control Sample Duplicate	Prep	VXX16253	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/11/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
	LCS	31.5	105	4	(< 20)	30 ug/L	11/11/2006
1,1,2-Trichloroethane	LCS	29.8	100	( 86-116 )		30 ug/L	11/11/2006
	LCS	31.0	103	4	(< 20)	30 ug/L	11/11/2006
Tetrachloroethene	LCS	31.4	105	( 79-117 )		30 ug/L	11/11/2006
	LCS	32.5	108	4	(< 20)	30 ug/L	11/11/2006
1,3-Dichloropropane	LCS	29.2	97	( 86-118 )		30 ug/L	11/11/2006
	LCS	30.5	102	4	(< 20)	30 ug/L	11/11/2006
Dibromochloromethane	LCS	29.1	97	( 88-116 )		30 ug/L	11/11/2006
	LCS	30.3	101	4	(< 20)	30 ug/L	11/11/2006
1,2-Dibromoethane	LCS	29.9	100	( 86-119 )		30 ug/L	11/11/2006
	LCS	31.3	104	5	(< 20)	30 ug/L	11/11/2006
Chlorobenzene	LCS	28.3	94	( 88-115 )		30 ug/L	11/11/2006
	LCS	29.7	99	5	(< 20)	30 ug/L	11/11/2006
1,1,1,2-Tetrachloroethane	LCS	30.6	102	( 81-120 )		30 ug/L	11/11/2006
	LCS	31.7	106	3	(< 20)	30 ug/L	11/11/2006
Ethylbenzene	LCS	25.4	85 *	( 85-120 )		30 ug/L	11/11/2006
	LCS	26.6	89	4	(< 20)	30 ug/L	11/11/2006
P & M -Xylene	LCS	54.8	91	( 80-120 )		60 ug/L	11/11/2006
	LCS	57.0	95	4	(< 20)	60 ug/L	11/11/2006
Styrene	LCS	28.9	96	( 84-129 )		30 ug/L	11/11/2006
	LCS	29.9	100	4	(< 20)	30 ug/L	11/11/2006
Bromoform	LCS	30.4	101	( 85-126 )		30 ug/L	11/11/2006
	LCS	31.5	105	4	(< 20)	30 ug/L	11/11/2006
Isopropylbenzene (Cumene)	LCS	26.6	89	( 80-120 )		30 ug/L	11/11/2006
	LCS	27.7	93	4	(< 20)	30 ug/L	11/11/2006
Bromobenzene	LCS	29.9	100	( 87-115 )		30 ug/L	11/11/2006
	LCS	30.3	101	1	(< 20)	30 ug/L	11/11/2006



SGS Ref.#	741027	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741028	Lab Control Sample Duplicate	Prep	VXX16253	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/11/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
o-Xylene	LCS	27.4	91	( 80-120 )		30 ug/L	11/11/2006
	LCSD	28.6	95		4	(< 20)	30 ug/L
1,1,2,2-Tetrachloroethane	LCS	30.9	103	( 80-123 )		30 ug/L	11/11/2006
	LCSD	31.7	106		3	(< 20)	30 ug/L
1,2,3-Trichloropropane	LCS	28.5	95	( 86-118 )		30 ug/L	11/11/2006
	LCSD	28.7	96		1	(< 20)	30 ug/L
n-Propylbenzene	LCS	27.2	91	( 87-123 )		30 ug/L	11/11/2006
	LCSD	27.6	92		2	(< 20)	30 ug/L
2-Chlorotoluene	LCS	28.8	96	( 85-121 )		30 ug/L	11/11/2006
	LCSD	29.4	98		2	(< 20)	30 ug/L
4-Chlorotoluene	LCS	28.2	94	( 81-126 )		30 ug/L	11/11/2006
	LCSD	28.7	96		2	(< 20)	30 ug/L
1,3,5-Trimethylbenzene	LCS	28.3	94	( 87-118 )		30 ug/L	11/11/2006
	LCSD	28.9	96		2	(< 20)	30 ug/L
tert-Butylbenzene	LCS	29.0	97	( 86-121 )		30 ug/L	11/11/2006
	LCSD	29.7	99		3	(< 20)	30 ug/L
1,2,4-Trimethylbenzene	LCS	27.1	90	( 87-117 )		30 ug/L	11/11/2006
	LCSD	27.8	93		3	(< 20)	30 ug/L
sec-Butylbenzene	LCS	30.4	101	( 88-125 )		30 ug/L	11/11/2006
	LCSD	31.1	104		2	(< 20)	30 ug/L
4-Isopropyltoluene	LCS	29.0	97	( 83-119 )		30 ug/L	11/11/2006
	LCSD	29.4	98		1	(< 20)	30 ug/L
1,4-Dichlorobenzene	LCS	29.7	99	( 82-121 )		30 ug/L	11/11/2006
	LCSD	30.2	101		2	(< 20)	30 ug/L
1,2-Dichlorobenzene	LCS	29.1	97	( 86-114 )		30 ug/L	11/11/2006
	LCSD	29.6	99		2	(< 20)	30 ug/L
n-Butylbenzene	LCS	29.3	98	( 83-130 )		30 ug/L	11/11/2006
	LCSD	29.9	100		2	(< 20)	30 ug/L



SGS Ref.#	741027	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741028	Lab Control Sample Duplicate	Prep	VXX16253	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	SW5030B	
Matrix	Water (Surface, Eff., Ground)		Date	11/11/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,3-Dichlorobenzene	LCS	29.9	100	( 83-118 )		30 ug/L	11/11/2006
	LCSD	30.4	101		1	(< 20 )	30 ug/L 11/11/2006
1,2-Dibromo-3-chloropropane	LCS	28.7	96	( 80-122 )		30 ug/L	11/11/2006
	LCSD	27.7	92		4	(< 20 )	30 ug/L 11/11/2006
1,2,4-Trichlorobenzene	LCS	31.0	103	( 85-120 )		30 ug/L	11/11/2006
	LCSD	31.7	106		2	(< 20 )	30 ug/L 11/11/2006
Hexachlorobutadiene	LCS	32.8	109	( 81-126 )		30 ug/L	11/11/2006
	LCSD	33.2	111		1	(< 20 )	30 ug/L 11/11/2006
Xylenes (total)	LCS	82.2	91	( 80-120 )		90 ug/L	11/11/2006
	LCSD	85.6	95		4	(< 20 )	90 ug/L 11/11/2006
Naphthalene	LCS	32.7	109	( 82-126 )		30 ug/L	11/11/2006
	LCSD	32.9	110		0	(< 20 )	30 ug/L 11/11/2006
1,2,3-Trichlorobenzene	LCS	31.0	103	( 86-124 )		30 ug/L	11/11/2006
	LCSD	31.7	106		2	(< 20 )	30 ug/L 11/11/2006
4-Methyl-2-pentanone (MIBK)	LCS	96.0	107	( 73-134 )		90 ug/L	11/11/2006
	LCSD	97.7	109		2	(< 20 )	90 ug/L 11/11/2006
2-Hexanone	LCS	94.6	105	( 76-130 )		90 ug/L	11/11/2006
	LCSD	96.8	108		2	(< 20 )	90 ug/L 11/11/2006
Methyl-t-butyl ether	LCS	44.2	98	( 83-119 )		45 ug/L	11/11/2006
	LCSD	45.0	100		2	(< 20 )	45 ug/L 11/11/2006
1,2-Dichloroethane	LCS	29.6	99	( 82-119 )		30 ug/L	11/11/2006
	LCSD	30.2	101		2	(< 20 )	30 ug/L 11/11/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		101	( 85-115 )			11/11/2006
	LCSD		102		1		11/11/2006
1,2-Dichloroethane-D4 <surr>	LCS		99	( 72-119 )			11/11/2006
	LCSD		102		3		11/11/2006





SGS Ref.# 741027 Lab Control Sample  
741028 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16253  
Method SW5030B  
Date 11/11/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Toluene-d8 <surr>	LCS	96	( 85-120 )				11/11/2006
	LCSD	101		4			11/11/2006
4-Bromofluorobenzene <surr>	LCS	94	( 76-119 )				11/11/2006
	LCSD	97		3			11/11/2006

Batch VMS8838  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



SGS Ref.# 741489 Lab Control Sample  
741490 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16262  
Method SW5030B  
Date 11/14/2006

QC results affect the following production samples:

1066641010, 1066641016, 1066641017, 1066641018, 1066641019

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.#	741489	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741490	Lab Control Sample Duplicate	Prep	VXX16262	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/14/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Dichlorodifluoromethane	LCS	30.3	101	( 54-131 )		30 ug/L	11/14/2006
	LCSD	30.2	101		0	(< 20)	30 ug/L
Chloromethane	LCS	27.2	91	( 56-125 )		30 ug/L	11/14/2006
	LCSD	27.6	92		1	(< 20)	30 ug/L
Vinyl chloride	LCS	29.4	98	( 50-134 )		30 ug/L	11/14/2006
	LCSD	29.5	98		1	(< 20)	30 ug/L
Bromomethane	LCS	79.6	265 *	( 57-141 )		30 ug/L	11/14/2006
	LCSD	79.3	264 *		0	(< 20)	30 ug/L
Chloroethane	LCS	30.8	103	( 60-133 )		30 ug/L	11/14/2006
	LCSD	30.4	101		1	(< 20)	30 ug/L
1,1-Dichloroethene	LCS	31.4	105	( 70-130 )		30 ug/L	11/14/2006
	LCSD	32.2	107		2	(< 20)	30 ug/L
Trichlorofluoromethane	LCS	29.2	97	( 72-129 )		30 ug/L	11/14/2006
	LCSD	29.1	97		0	(< 20)	30 ug/L
Methylene chloride	LCS	28.7	96	( 72-120 )		30 ug/L	11/14/2006
	LCSD	28.6	96		0	(< 20)	30 ug/L
Carbon disulfide	LCS	46.1	102	( 37-146 )		45 ug/L	11/14/2006
	LCSD	46.1	102		0	(< 20)	45 ug/L
trans-1,2-Dichloroethene	LCS	30.8	103	( 71-127 )		30 ug/L	11/14/2006
	LCSD	30.6	102		1	(< 20)	30 ug/L
1,1-Dichloroethane	LCS	29.4	98	( 81-120 )		30 ug/L	11/14/2006
	LCSD	29.3	98		0	(< 20)	30 ug/L
2,2-Dichloropropane	LCS	30.6	102	( 77-135 )		30 ug/L	11/14/2006
	LCSD	30.1	100		1	(< 20)	30 ug/L
cis-1,2-Dichloroethene	LCS	31.3	104	( 79-120 )		30 ug/L	11/14/2006
	LCSD	31.3	104		0	(< 20)	30 ug/L
Bromochloromethane	LCS	31.9	106	( 76-126 )		30 ug/L	11/14/2006
	LCSD	31.4	105		2	(< 20)	30 ug/L



SGS Ref.#	741489	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741490	Lab Control Sample Duplicate	Prep	VXX16262	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	11/14/2006	
Matrix	Water (Surface, Eff., Ground)		Date		

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
2-Butanone (MEK)	LCS	89.5	99	( 67-136 )		90 ug/L	11/14/2006
	LCSD	92.0	102		3	(< 20 )	90 ug/L
Chloroform	LCS	29.7	99	( 86-115 )		30 ug/L	11/14/2006
	LCSD	29.0	97		3	(< 20 )	30 ug/L
1,1,1-Trichloroethane	LCS	30.4	101	( 82-120 )		30 ug/L	11/14/2006
	LCSD	29.8	99		2	(< 20 )	30 ug/L
Carbon tetrachloride	LCS	30.4	101	( 79-132 )		30 ug/L	11/14/2006
	LCSD	30.0	100		1	(< 20 )	30 ug/L
1,1-Dichloropropene	LCS	33.5	112	( 80-121 )		30 ug/L	11/14/2006
	LCSD	32.6	109		3	(< 20 )	30 ug/L
Benzene	LCS	29.4	98	( 84-115 )		30 ug/L	11/14/2006
	LCSD	29.2	97		1	(< 20 )	30 ug/L
Trichloroethene	LCS	31.5	105	( 82-118 )		30 ug/L	11/14/2006
	LCSD	31.6	105		0	(< 20 )	30 ug/L
1,2-Dichloropropane	LCS	30.5	102	( 88-115 )		30 ug/L	11/14/2006
	LCSD	30.4	101		0	(< 20 )	30 ug/L
Dibromomethane	LCS	30.3	101	( 86-119 )		30 ug/L	11/14/2006
	LCSD	29.8	99		2	(< 20 )	30 ug/L
Bromodichloromethane	LCS	30.0	100	( 81-120 )		30 ug/L	11/14/2006
	LCSD	29.4	98		2	(< 20 )	30 ug/L
2-Chloroethyl Vinyl Ether	LCS	49.2	109	( 63-148 )		45 ug/L	11/14/2006
	LCSD	50.2	112		2	(< 20 )	45 ug/L
cis-1,3-Dichloropropene	LCS	32.4	108	( 90-126 )		30 ug/L	11/14/2006
	LCSD	31.9	106		2	(< 20 )	30 ug/L
Toluene	LCS	29.7	99	( 81-115 )		30 ug/L	11/14/2006
	LCSD	30.0	100		1	(< 20 )	30 ug/L
trans-1,3-Dichloropropene	LCS	30.8	103	( 89-125 )		30 ug/L	11/14/2006



SGS Ref.#	741489	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741490	Lab Control Sample Duplicate	Prep	VXX16262	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/14/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
	LCS	31.2	104				
	LCS	29.5	98	( 86-116 )			
1,1,2-Trichloroethane	LCS	29.6	99				
	LCS	30.8	103	( 79-117 )			
Tetrachloroethene	LCS	31.3	104				
	LCS	29.8	99	( 86-118 )			
1,3-Dichloropropane	LCS	30.1	100				
	LCS	29.1	97	( 88-116 )			
Dibromochloromethane	LCS	29.0	97				
	LCS	29.9	100	( 86-119 )			
1,2-Dibromoethane	LCS	30.7	102				
	LCS	29.3	98	( 88-115 )			
Chlorobenzene	LCS	29.9	100				
	LCS	30.9	103	( 81-120 )			
1,1,1,2-Tetrachloroethane	LCS	30.9	103				
	LCS	30.6	102	( 85-120 )			
Ethylbenzene	LCS	31.0	103				
	LCS	60.1	100	( 80-120 )			
P & M -Xylene	LCS	60.0	100				
	LCS	31.7	106	( 84-129 )			
Styrene	LCS	32.0	107				
	LCS	30.2	101	( 85-126 )			
Bromoform	LCS	30.7	102				
	LCS	31.5	105	( 80-120 )			
Isopropylbenzene (Cumene)	LCS	31.7	106				
	LCS	29.7	99	( 87-115 )			
Bromobenzene	LCS	30.2	101				



SGS Ref.#	741489	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741490	Lab Control Sample Duplicate	Prep	VXX16262	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/14/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
o-Xylene	LCS	31.4	105	( 80-120 )		30 ug/L	11/14/2006
	LCSD	31.6	105		1	(< 20)	30 ug/L
1,1,2,2-Tetrachloroethane	LCS	29.4	98	( 80-123 )		30 ug/L	11/14/2006
	LCSD	30.0	100		2	(< 20)	30 ug/L
1,2,3-Trichloropropane	LCS	29.6	99	( 86-118 )		30 ug/L	11/14/2006
	LCSD	30.5	102		3	(< 20)	30 ug/L
n-Propylbenzene	LCS	29.9	100	( 87-123 )		30 ug/L	11/14/2006
	LCSD	30.2	101		1	(< 20)	30 ug/L
2-Chlorotoluene	LCS	30.5	102	( 85-121 )		30 ug/L	11/14/2006
	LCSD	30.6	102		0	(< 20)	30 ug/L
4-Chlorotoluene	LCS	30.7	102	( 81-126 )		30 ug/L	11/14/2006
	LCSD	30.7	102		0	(< 20)	30 ug/L
1,3,5-Trimethylbenzene	LCS	31.0	103	( 87-118 )		30 ug/L	11/14/2006
	LCSD	31.2	104		1	(< 20)	30 ug/L
tert-Butylbenzene	LCS	32.1	107	( 86-121 )		30 ug/L	11/14/2006
	LCSD	32.6	109		2	(< 20)	30 ug/L
1,2,4-Trimethylbenzene	LCS	30.6	102	( 87-117 )		30 ug/L	11/14/2006
	LCSD	31.0	103		2	(< 20)	30 ug/L
sec-Butylbenzene	LCS	32.2	107	( 88-125 )		30 ug/L	11/14/2006
	LCSD	32.4	108		1	(< 20)	30 ug/L
4-Isopropyltoluene	LCS	30.5	102	( 83-119 )		30 ug/L	11/14/2006
	LCSD	30.8	103		1	(< 20)	30 ug/L
1,4-Dichlorobenzene	LCS	30.0	100	( 82-121 )		30 ug/L	11/14/2006
	LCSD	29.9	100		0	(< 20)	30 ug/L
1,2-Dichlorobenzene	LCS	28.6	95	( 86-114 )		30 ug/L	11/14/2006
	LCSD	28.8	96		1	(< 20)	30 ug/L
n-Butylbenzene	LCS	32.6	109	( 83-130 )		30 ug/L	11/14/2006
	LCSD	32.8	109		1	(< 20)	30 ug/L



SGS Ref.#	741489	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741490	Lab Control Sample Duplicate	Prep	VXX16262	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/14/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,3-Dichlorobenzene	LCS	29.8	99	( 83-118 )		30 ug/L	11/14/2006
	LCSD	30.1	100		1	(< 20 )	30 ug/L 11/14/2006
1,2-Dibromo-3-chloropropane	LCS	27.8	93	( 80-122 )		30 ug/L	11/14/2006
	LCSD	29.2	97		5	(< 20 )	30 ug/L 11/14/2006
1,2,4-Trichlorobenzene	LCS	30.8	103	( 85-120 )		30 ug/L	11/14/2006
	LCSD	31.1	104		1	(< 20 )	30 ug/L 11/14/2006
Hexachlorobutadiene	LCS	31.2	104	( 81-126 )		30 ug/L	11/14/2006
	LCSD	30.5	102		2	(< 20 )	30 ug/L 11/14/2006
Xylenes (total)	LCS	91.5	102	( 80-120 )		90 ug/L	11/14/2006
	LCSD	91.7	102		0	(< 20 )	90 ug/L 11/14/2006
Naphthalene	LCS	30.3	101	( 82-126 )		30 ug/L	11/14/2006
	LCSD	31.8	106		5	(< 20 )	30 ug/L 11/14/2006
1,2,3-Trichlorobenzene	LCS	29.9	100	( 86-124 )		30 ug/L	11/14/2006
	LCSD	30.5	102		2	(< 20 )	30 ug/L 11/14/2006
4-Methyl-2-pentanone (MIBK)	LCS	92.1	102	( 73-134 )		90 ug/L	11/14/2006
	LCSD	94.3	105		2	(< 20 )	90 ug/L 11/14/2006
2-Hexanone	LCS	94.7	105	( 76-130 )		90 ug/L	11/14/2006
	LCSD	94.9	105		0	(< 20 )	90 ug/L 11/14/2006
Methyl-t-butyl ether	LCS	45.6	101	( 83-119 )		45 ug/L	11/14/2006
	LCSD	45.6	101		0	(< 20 )	45 ug/L 11/14/2006
1,2-Dichloroethane	LCS	30.0	100	( 82-119 )		30 ug/L	11/14/2006
	LCSD	29.8	99		1	(< 20 )	30 ug/L 11/14/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		104	( 85-115 )			11/14/2006
	LCSD		101		3		11/14/2006
1,2-Dichloroethane-D4 <surr>	LCS		103	( 72-119 )			11/14/2006
	LCSD		102		1		11/14/2006



SGS Ref.# 741489 Lab Control Sample  
741490 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16262  
Method SW5030B  
Date 11/14/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Toluene-d8 <surr>	LCS	101	( 85-120 )				11/14/2006
	LCSD	99		2			11/14/2006
4-Bromofluorobenzene <surr>	LCS	99	( 76-119 )				11/14/2006
	LCSD	99		0			11/14/2006

Batch VMS8845  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA





SGS Ref.# 741643 Lab Control Sample  
741644 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16266  
Method SW5030B  
Date 11/15/2006

QC results affect the following production samples:

1066641010, 1066641017, 1066641018, 1066641019, 1066641021, 1066641022

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



**SGS Ref.#** 741643 Lab Control Sample  
 741644 Lab Control Sample Duplicate  
**Client Name** Oasis Environmental  
**Project Name/#** FIA Drainage Pond Proj 95-017  
**Matrix** Water (Surface, Eff., Ground)

**Printed Date/Time** 11/20/2006 9:58  
**Prep Batch** VXX16266  
**Method** SW5030B  
**Date** 11/15/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
Dichlorodifluoromethane	LCS	28.5	95	( 54-131 )		30 ug/L	11/15/2006
	LCSD	27.9	93		2	(< 20)	30 ug/L 11/15/2006
Chloromethane	LCS	25.6	85	( 56-125 )		30 ug/L	11/15/2006
	LCSD	26.0	87		2	(< 20)	30 ug/L 11/15/2006
Vinyl chloride	LCS	27.5	92	( 50-134 )		30 ug/L	11/15/2006
	LCSD	27.6	92		0	(< 20)	30 ug/L 11/15/2006
Bromomethane	LCS	74.9	250 *	( 57-141 )		30 ug/L	11/15/2006
	LCSD	75.8	253 *		1	(< 20)	30 ug/L 11/15/2006
Chloroethane	LCS	29.2	97	( 60-133 )		30 ug/L	11/15/2006
	LCSD	29.4	98		1	(< 20)	30 ug/L 11/15/2006
1,1-Dichloroethene	LCS	28.9	96	( 70-130 )		30 ug/L	11/15/2006
	LCSD	28.8	96		0	(< 20)	30 ug/L 11/15/2006
Trichlorofluoromethane	LCS	27.6	92	( 72-129 )		30 ug/L	11/15/2006
	LCSD	27.7	92		0	(< 20)	30 ug/L 11/15/2006
Methylene chloride	LCS	27.7	92	( 72-120 )		30 ug/L	11/15/2006
	LCSD	28.1	94		1	(< 20)	30 ug/L 11/15/2006
Carbon disulfide	LCS	42.5	94	( 37-146 )		45 ug/L	11/15/2006
	LCSD	43.6	97		3	(< 20)	45 ug/L 11/15/2006
trans-1,2-Dichloroethene	LCS	27.4	91	( 71-127 )		30 ug/L	11/15/2006
	LCSD	27.9	93		2	(< 20)	30 ug/L 11/15/2006
1,1-Dichloroethane	LCS	26.8	89	( 81-120 )		30 ug/L	11/15/2006
	LCSD	26.8	89		0	(< 20)	30 ug/L 11/15/2006
2,2-Dichloropropane	LCS	27.6	92	( 77-135 )		30 ug/L	11/15/2006
	LCSD	27.8	93		1	(< 20)	30 ug/L 11/15/2006
cis-1,2-Dichloroethene	LCS	28.2	94	( 79-120 )		30 ug/L	11/15/2006
	LCSD	28.1	94		0	(< 20)	30 ug/L 11/15/2006
Bromochloromethane	LCS	27.8	93	( 76-126 )		30 ug/L	11/15/2006
	LCSD	28.6	95		3	(< 20)	30 ug/L 11/15/2006



SGS Ref.#	741643	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741644	Lab Control Sample Duplicate	Prep	VXX16266	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method	SW5030B	
Matrix	Water (Surface, Eff., Ground)		Date	11/15/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
2-Butanone (MEK)	LCS	82.2	91	( 67-136 )		90 ug/L	11/15/2006
	LCSD	86.6	96		5	(< 20 )	90 ug/L
Chloroform	LCS	26.5	88	( 86-115 )		30 ug/L	11/15/2006
	LCSD	26.7	89		1	(< 20 )	30 ug/L
1,1,1-Trichloroethane	LCS	27.7	92	( 82-120 )		30 ug/L	11/15/2006
	LCSD	27.5	92		1	(< 20 )	30 ug/L
Carbon tetrachloride	LCS	27.5	92	( 79-132 )		30 ug/L	11/15/2006
	LCSD	27.7	92		1	(< 20 )	30 ug/L
1,1-Dichloropropene	LCS	29.9	100	( 80-121 )		30 ug/L	11/15/2006
	LCSD	29.9	100		0	(< 20 )	30 ug/L
Benzene	LCS	26.7	89	( 84-115 )		30 ug/L	11/15/2006
	LCSD	26.8	89		0	(< 20 )	30 ug/L
Trichloroethene	LCS	28.1	94	( 82-118 )		30 ug/L	11/15/2006
	LCSD	28.5	95		2	(< 20 )	30 ug/L
1,2-Dichloropropane	LCS	26.9	90	( 88-115 )		30 ug/L	11/15/2006
	LCSD	28.1	94		5	(< 20 )	30 ug/L
Dibromomethane	LCS	26.3	88	( 86-119 )		30 ug/L	11/15/2006
	LCSD	27.0	90		3	(< 20 )	30 ug/L
Bromodichloromethane	LCS	26.9	90	( 81-120 )		30 ug/L	11/15/2006
	LCSD	27.3	91		2	(< 20 )	30 ug/L
2-Chloroethyl Vinyl Ether	LCS	44.0	98	( 63-148 )		45 ug/L	11/15/2006
	LCSD	47.2	105		7	(< 20 )	45 ug/L
cis-1,3-Dichloropropene	LCS	28.8	96	( 90-126 )		30 ug/L	11/15/2006
	LCSD	29.2	97		1	(< 20 )	30 ug/L
Toluene	LCS	28.2	94	( 81-115 )		30 ug/L	11/15/2006
	LCSD	28.0	93		1	(< 20 )	30 ug/L
trans-1,3-Dichloropropene	LCS	28.6	95	( 89-125 )		30 ug/L	11/15/2006



SGS Ref.#	741643	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741644	Lab Control Sample Duplicate	Prep	VXX16266	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/15/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
	LCS	29.1	97		2	(< 20)	30 ug/L 11/15/2006
1,1,2-Trichloroethane	LCS	27.6	92	( 86-116 )			30 ug/L 11/15/2006
	LCS	27.5	92		0	(< 20)	30 ug/L 11/15/2006
Tetrachloroethene	LCS	29.1	97	( 79-117 )			30 ug/L 11/15/2006
	LCS	29.0	97		0	(< 20)	30 ug/L 11/15/2006
1,3-Dichloropropane	LCS	28.5	95	( 86-118 )			30 ug/L 11/15/2006
	LCS	28.5	95		0	(< 20)	30 ug/L 11/15/2006
Dibromochloromethane	LCS	27.5	92	( 88-116 )			30 ug/L 11/15/2006
	LCS	27.6	92		1	(< 20)	30 ug/L 11/15/2006
1,2-Dibromoethane	LCS	28.2	94	( 86-119 )			30 ug/L 11/15/2006
	LCS	28.4	95		1	(< 20)	30 ug/L 11/15/2006
Chlorobenzene	LCS	27.7	92	( 88-115 )			30 ug/L 11/15/2006
	LCS	27.8	93		0	(< 20)	30 ug/L 11/15/2006
1,1,1,2-Tetrachloroethane	LCS	29.1	97	( 81-120 )			30 ug/L 11/15/2006
	LCS	29.6	99		2	(< 20)	30 ug/L 11/15/2006
Ethylbenzene	LCS	29.3	98	( 85-120 )			30 ug/L 11/15/2006
	LCS	29.5	98		1	(< 20)	30 ug/L 11/15/2006
P & M -Xylene	LCS	57.2	95	( 80-120 )			60 ug/L 11/15/2006
	LCS	56.4	94		1	(< 20)	60 ug/L 11/15/2006
Styrene	LCS	30.2	101	( 84-129 )			30 ug/L 11/15/2006
	LCS	30.2	101		0	(< 20)	30 ug/L 11/15/2006
Bromoform	LCS	27.9	93	( 85-126 )			30 ug/L 11/15/2006
	LCS	28.3	94		1	(< 20)	30 ug/L 11/15/2006
Isopropylbenzene (Cumene)	LCS	30.2	101	( 80-120 )			30 ug/L 11/15/2006
	LCS	29.8	99		1	(< 20)	30 ug/L 11/15/2006
Bromobenzene	LCS	28.7	96	( 87-115 )			30 ug/L 11/15/2006
	LCS	28.8	96		0	(< 20)	30 ug/L 11/15/2006



SGS Ref.#	741643	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741644	Lab Control Sample Duplicate	Prep	VXX16266	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/15/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
o-Xylene	LCS	29.7	99	( 80-120 )		30 ug/L	11/15/2006
	LCSD	30.2	101		2	(< 20)	30 ug/L
1,2,3-Trichloropropane	LCS	28.3	94	( 86-118 )		30 ug/L	11/15/2006
	LCSD	29.1	97		3	(< 20)	30 ug/L
n-Propylbenzene	LCS	28.6	95	( 87-123 )		30 ug/L	11/15/2006
	LCSD	29.2	98		2	(< 20)	30 ug/L
2-Chlorotoluene	LCS	28.9	96	( 85-121 )		30 ug/L	11/15/2006
	LCSD	29.0	97		0	(< 20)	30 ug/L
4-Chlorotoluene	LCS	29.4	98	( 81-126 )		30 ug/L	11/15/2006
	LCSD	29.6	99		1	(< 20)	30 ug/L
1,1,2,2-Tetrachloroethane	LCS	27.8	93	( 80-123 )		30 ug/L	11/15/2006
	LCSD	28.5	95		3	(< 20)	30 ug/L
1,3,5-Trimethylbenzene	LCS	29.5	98	( 87-118 )		30 ug/L	11/15/2006
	LCSD	29.9	100		1	(< 20)	30 ug/L
tert-Butylbenzene	LCS	30.4	101	( 86-121 )		30 ug/L	11/15/2006
	LCSD	31.0	103		2	(< 20)	30 ug/L
1,2,4-Trimethylbenzene	LCS	29.6	99	( 87-117 )		30 ug/L	11/15/2006
	LCSD	29.7	99		0	(< 20)	30 ug/L
sec-Butylbenzene	LCS	30.4	101	( 88-125 )		30 ug/L	11/15/2006
	LCSD	31.2	104		2	(< 20)	30 ug/L
4-Isopropyltoluene	LCS	29.2	97	( 83-119 )		30 ug/L	11/15/2006
	LCSD	29.7	99		2	(< 20)	30 ug/L
1,4-Dichlorobenzene	LCS	28.6	95	( 82-121 )		30 ug/L	11/15/2006
	LCSD	28.8	96		1	(< 20)	30 ug/L
1,2-Dichlorobenzene	LCS	27.1	90	( 86-114 )		30 ug/L	11/15/2006
	LCSD	27.6	92		2	(< 20)	30 ug/L
n-Butylbenzene	LCS	31.5	105	( 83-130 )		30 ug/L	11/15/2006
	LCSD	31.4	105		0	(< 20)	30 ug/L



SGS Ref.#	741643	Lab Control Sample	Printed Date/Time	11/20/2006	9:58
	741644	Lab Control Sample Duplicate	Prep	VXX16266	
Client Name	Oasis Environmental		Batch	SW5030B	
Project Name/#	FIA Drainage Pond Proj 95-017		Method		
Matrix	Water (Surface, Eff., Ground)		Date	11/15/2006	

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b><u>Volatile Gas Chromatography/Mass Spectroscopy</u></b>							
1,3-Dichlorobenzene	LCS	28.3	94	( 83-118 )		30 ug/L	11/15/2006
	LCSD	28.7	96		2	(< 20 )	30 ug/L 11/15/2006
1,2-Dibromo-3-chloropropane	LCS	27.6	92	( 80-122 )		30 ug/L	11/15/2006
	LCSD	29.1	97		6	(< 20 )	30 ug/L 11/15/2006
1,2,4-Trichlorobenzene	LCS	29.2	97	( 85-120 )		30 ug/L	11/15/2006
	LCSD	29.9	100		2	(< 20 )	30 ug/L 11/15/2006
Hexachlorobutadiene	LCS	29.5	98	( 81-126 )		30 ug/L	11/15/2006
	LCSD	29.8	99		1	(< 20 )	30 ug/L 11/15/2006
Xylenes (total)	LCS	86.9	97	( 80-120 )		90 ug/L	11/15/2006
	LCSD	86.6	96		0	(< 20 )	90 ug/L 11/15/2006
Naphthalene	LCS	28.8	96	( 82-126 )		30 ug/L	11/15/2006
	LCSD	30.3	101		5	(< 20 )	30 ug/L 11/15/2006
1,2,3-Trichlorobenzene	LCS	29.5	98	( 86-124 )		30 ug/L	11/15/2006
	LCSD	29.9	100		1	(< 20 )	30 ug/L 11/15/2006
4-Methyl-2-pentanone (MIBK)	LCS	82.1	91	( 73-134 )		90 ug/L	11/15/2006
	LCSD	84.9	94		3	(< 20 )	90 ug/L 11/15/2006
2-Hexanone	LCS	87.8	98	( 76-130 )		90 ug/L	11/15/2006
	LCSD	90.0	100		3	(< 20 )	90 ug/L 11/15/2006
Methyl-t-butyl ether	LCS	41.2	91	( 83-119 )		45 ug/L	11/15/2006
	LCSD	41.7	93		1	(< 20 )	45 ug/L 11/15/2006
1,2-Dichloroethane	LCS	27.4	91	( 82-119 )		30 ug/L	11/15/2006
	LCSD	27.4	91		0	(< 20 )	30 ug/L 11/15/2006
<b>Surrogates</b>							
Dibromofluoromethane <surr>	LCS		92	( 85-115 )			11/15/2006
	LCSD		92		0		11/15/2006
1,2-Dichloroethane-D4 <surr>	LCS		92	( 72-119 )			11/15/2006
	LCSD		94		2		11/15/2006



SGS Ref.# 741643 Lab Control Sample  
741644 Lab Control Sample Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch VXX16266  
Method SW5030B  
Date 11/15/2006

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Toluene-d8 <surr>	LCS	93	( 85-120 )				11/15/2006
	LCSD	92		1			11/15/2006
4-Bromofluorobenzene <surr>	LCS	91	( 76-119 )				11/15/2006
	LCSD	92		1			11/15/2006

Batch VMS8848  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



SGS Ref.# 741763 Lab Control Sample  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond Proj 95-017  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/20/2006 9:58  
Prep Batch WXX5614  
Method H2O/EP300  
Date 11/15/2006

QC results affect the following production samples:

1066641014, 1066641015, 1066641020, 1066641021

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Waters Department**

Sulfate	LCS	9.97	100	( 90-110 )		10 mg/L	11/15/2006
Chloride	LCS	9.83	98	( 90-110 )		10 mg/L	11/15/2006

Batch WIC3992  
Method EPA 300.0  
Instrument Metrohm 733 IC3





SGS Ref.# 739302

Matrix Spike

Printed Date/Time 11/20/2006 9:59  
Prep Batch  
Method  
Date

Original 1066656001  
Matrix Drinking Water

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Waters Department

Nitrate-N MS ND 2.6 104 ( 70-130 ) 2.5 mg/L11/03/2006

Batch WF11347  
Method EPA 353.2  
Instrument Astoria segmented flow



SGS Ref.# 739960 Matrix Spike  
739961 Matrix Spike Duplicate

Printed Date/Time 11/20/2006 9:59  
Prep Batch MXX18390  
Method 3010 H2O Digest for Metals ICI  
Date 11/07/2006

Original 1066641014  
Matrix Water (Surface, Eff., Ground)

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Metals by ICP/MS**

Iron	MS	2380	3170	79* ( 80-120 )				1000	ug/L11/10/2006
	MSD		3470	110		9 (< 15 )		1000	ug/L 11/10/2006

Batch MMS4530  
Method SW6020  
Instrument Perkin Elmer Sciex ICP-MS P3



SGS Ref.# 739962 Bench Spike DIGESTED

Printed Date/Time 11/20/2006 9:59  
Prep Batch MXX18390  
Method 3010 H2O Digest for Metals ICI  
Date 11/07/2006

Original 1066641014  
Matrix Water (Surface, Eff., Ground)

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Metals by ICP/MS**

Iron BND 2380 27200 99 ( 75-125 ) 25000 ug/L11/10/2006

Batch MMS4530  
Method SW6020  
Instrument Perkin Elmer Sciex ICP-MS P3



SGS Ref.# 739979 Matrix Spike  
739980 Matrix Spike Duplicate

Printed Date/Time 11/20/2006 9:59  
Prep Batch MXX18391  
Method 3010 H2O Digest for Metals ICI  
Date 11/07/2006

Original 1066641014  
Matrix Water (Surface, Eff., Ground)

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Metals Department**

Manganese	MS	1.54	2.55	102	( 80-120 )			1	mg/L11/09/2006
	MSD		2.57	103		0	(< 20 )	1	mg/L 11/09/2006

Batch MIP5194  
Method SW6010B  
Instrument TJA Enviro II ICP P2



SGS Ref.# 741767 Bench Spike Liquid

Printed Date/Time 11/20/2006 9:59  
Prep Batch WXX5614  
Method EPA 300.0 Extraction Waters/L  
Date 11/15/2006

Original 1066603075  
Matrix Water (Surface, Eff., Ground)

QC results affect the following production samples:  
1066641014, 1066641015, 1066641020, 1066641021

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Waters Department**

Sulfate	BN1	2.86	13.1	102	( 85-115 )			10	mg/L11/15/2006
Chloride	BN1	0.801	10.7	99	( 85-115 )			10	mg/L11/15/2006

Batch WIC3992  
Method EPA 300.0  
Instrument Metrohm 733 IC3



SGS Ref.# 1066641012 Billable Matrix Spike  
1066641013 Billable Matrix Spike Dup.

Printed Date/Time 11/20/2006 9:59  
Prep Batch VXX16253  
Method Volatiles Extraction 8240/8260  
Date 11/11/2006

Original 1066641011  
Matrix Water (Surface, Eff., Ground)

QC results affect the following production samples:

Parameter	Qualifiers	Original Result	QC Result	Pet Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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Volatile Gas Chromatography/Mass Spectroscopy



SGS Ref.# 1066641012 Billable Matrix Spike  
 1066641013 Billable Matrix Spike Dup.

Printed Date/Time 11/20/2006 9:59  
 Prep Batch VXX16253  
 Method Volatiles Extraction 8240/8260  
 Date 11/11/2006

Original 1066641011  
 Matrix Water (Surface, Eff., Ground)

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b>Volatile Gas Chromatography/Mass Spectroscopy</b>									
Dichlorodifluoromethane	BMS ND	ND	40.8	136*	( 54-131 )			30	ug/L 11/11/2006
	BMSD		41.2	137*		1	(< 20 )	30	ug/L 11/11/2006
Chloromethane	BMS ND	ND	29.8	99	( 56-125 )			30	ug/L 11/11/2006
	BMSD		30	100		1	(< 20 )	30	ug/L 11/11/2006
Vinyl chloride	BMS ND	ND	31.5	105	( 50-134 )			30	ug/L 11/11/2006
	BMSD		32.5	108		3	(< 20 )	30	ug/L 11/11/2006
Bromomethane	BMS ND	ND	110	367*	( 57-141 )			30	ug/L 11/11/2006
	BMSD		103	342*		7	(< 20 )	30	ug/L 11/11/2006
Chloroethane	BMS ND	ND	31.9	106	( 60-133 )			30	ug/L 11/11/2006
	BMSD		31.6	105		1	(< 20 )	30	ug/L 11/11/2006
1,1-Dichloroethene	BMS ND	ND	31.3	104	( 70-130 )			30	ug/L 11/11/2006
	BMSD		32.8	109		5	(< 20 )	30	ug/L 11/11/2006
Trichlorofluoromethane	BMS 1.20	1.20	31.2	100	( 72-129 )			30	ug/L 11/11/2006
	BMSD		32.6	105		4	(< 20 )	30	ug/L 11/11/2006
Methylene chloride	BMS ND	ND	31.5	105	( 72-120 )			30	ug/L 11/11/2006
	BMSD		33.1	110		5	(< 20 )	30	ug/L 11/11/2006
Carbon disulfide	BMS 1.00 J	1.00 J	47	102	( 37-146 )			45	ug/L 11/11/2006
	BMSD		48.1	105		2	(< 20 )	45	ug/L 11/11/2006
trans-1,2-Dichloroethene	BMS ND	ND	30.1	100	( 71-127 )			30	ug/L 11/11/2006
	BMSD		30.6	102		2	(< 20 )	30	ug/L 11/11/2006
1,1-Dichloroethane	BMS ND	ND	29.6	99	( 81-120 )			30	ug/L 11/11/2006
	BMSD		30.3	101		2	(< 20 )	30	ug/L 11/11/2006
2,2-Dichloropropane	BMS ND	ND	30.1	100	( 77-135 )			30	ug/L 11/11/2006
	BMSD		30.3	101		1	(< 20 )	30	ug/L 11/11/2006
cis-1,2-Dichloroethene	BMS ND	ND	28.3	94	( 79-120 )			30	ug/L 11/11/2006
	BMSD		29.2	98		3	(< 20 )	30	ug/L 11/11/2006
Bromochloromethane	BMS ND	ND	29.5	98	( 76-126 )			30	ug/L 11/11/2006
	BMSD		30.1	100		2	(< 20 )	30	ug/L 11/11/2006
2-Butanone (MEK)	BMS ND	ND	83.5	93	( 67-136 )			90	ug/L 11/11/2006
	BMSD		92.7	103		10	(< 20 )	90	ug/L 11/11/2006
Chloroform	BMS 3.95	3.95	31.7	92	( 86-115 )			30	ug/L 11/11/2006
	BMSD		32.6	96		3	(< 20 )	30	ug/L 11/11/2006
1,1,1-Trichloroethane	BMS ND	ND	29.1	97	( 82-120 )			30	ug/L 11/11/2006
	BMSD		29.8	99		2	(< 20 )	30	ug/L 11/11/2006
Carbon tetrachloride	BMS ND	ND	29.9	100	( 79-132 )			30	ug/L 11/11/2006
	BMSD		30.7	102		3	(< 20 )	30	ug/L 11/11/2006
1,1-Dichloropropene	BMS ND	ND	30.3	101	( 80-121 )			30	ug/L 11/11/2006
	BMSD		31	103		2	(< 20 )	30	ug/L 11/11/2006
Benzene	BMS 0.380 J	0.380 J	27.8	91	( 84-115 )			30	ug/L 11/11/2006
	BMSD		28.7	95		3	(< 20 )	30	ug/L 11/11/2006



SGS Ref.# 1066641012 Billable Matrix Spike  
 1066641013 Billable Matrix Spike Dup.

Printed Date/Time 11/20/2006 9:59  
 Prep Batch VXX16253  
 Method Volatiles Extraction 8240/8260  
 Date 11/11/2006

Original 1066641011  
 Matrix Water (Surface, Eff., Ground)

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b>Volatile Gas Chromatography/Mass Spectroscopy</b>									
Trichloroethene	BMS	ND	30.5	102	( 82-118 )			30	ug/L 11/11/2006
	BMSD		28.1	94		8	(< 20 )	30	ug/L 11/11/2006
1,2-Dichloropropane	BMS	ND	28.9	96	( 88-115 )			30	ug/L 11/11/2006
	BMSD		29.1	97		1	(< 20 )	30	ug/L 11/11/2006
Dibromomethane	BMS	ND	28.4	95	( 86-119 )			30	ug/L 11/11/2006
	BMSD		29	97		2	(< 20 )	30	ug/L 11/11/2006
Bromodichloromethane	BMS	ND	27.8	93	( 81-120 )			30	ug/L 11/11/2006
	BMSD		29	97		4	(< 20 )	30	ug/L 11/11/2006
2-Chloroethyl Vinyl Ether	BMS	ND	0	0*	( 63-148 )			45	ug/L 11/11/2006
	BMSD		0	0*		0	(< 20 )	45	ug/L 11/11/2006
cis-1,3-Dichloropropene	BMS	ND	29.1	97	( 90-126 )			30	ug/L 11/11/2006
	BMSD		29.8	99		2	(< 20 )	30	ug/L 11/11/2006
Toluene	BMS	ND	26.4	88	( 81-115 )			30	ug/L 11/11/2006
	BMSD		26.6	89		0	(< 20 )	30	ug/L 11/11/2006
trans-1,3-Dichloropropene	BMS	ND	29.5	98	( 89-125 )			30	ug/L 11/11/2006
	BMSD		31	103		5	(< 20 )	30	ug/L 11/11/2006
1,1,2-Trichloroethane	BMS	ND	29	97	( 86-116 )			30	ug/L 11/11/2006
	BMSD		30.5	102		5	(< 20 )	30	ug/L 11/11/2006
Tetrachloroethene	BMS	ND	30.4	101	( 79-117 )			30	ug/L 11/11/2006
	BMSD		31.1	104		2	(< 20 )	30	ug/L 11/11/2006
1,3-Dichloropropane	BMS	ND	28.9	96	( 86-118 )			30	ug/L 11/11/2006
	BMSD		30.4	101		5	(< 20 )	30	ug/L 11/11/2006
Dibromochloromethane	BMS	ND	27.8	93	( 88-116 )			30	ug/L 11/11/2006
	BMSD		29.5	98		6	(< 20 )	30	ug/L 11/11/2006
1,2-Dibromoethane	BMS	ND	28.5	95	( 86-119 )			30	ug/L 11/11/2006
	BMSD		30	100		5	(< 20 )	30	ug/L 11/11/2006
Chlorobenzene	BMS	ND	28.1	94	( 88-115 )			30	ug/L 11/11/2006
	BMSD		28.8	96		3	(< 20 )	30	ug/L 11/11/2006
1,1,1,2-Tetrachloroethane	BMS	ND	29.3	98	( 81-120 )			30	ug/L 11/11/2006
	BMSD		31	103		6	(< 20 )	30	ug/L 11/11/2006
Ethylbenzene	BMS	ND	25.1	84*	( 85-120 )			30	ug/L 11/11/2006
	BMSD		25.7	86		3	(< 20 )	30	ug/L 11/11/2006
P & M -Xylene	BMS	ND	53.7	89	( 80-120 )			60	ug/L 11/11/2006
	BMSD		55.2	92		3	(< 20 )	60	ug/L 11/11/2006
Styrene	BMS	ND	27.8	93	( 84-129 )			30	ug/L 11/11/2006
	BMSD		28.9	96		4	(< 20 )	30	ug/L 11/11/2006
Bromoform	BMS	ND	27.8	93	( 85-126 )			30	ug/L 11/11/2006
	BMSD		30.4	101		9	(< 20 )	30	ug/L 11/11/2006
Isopropylbenzene (Cumene)	BMS	ND	26.1	87	( 80-120 )			30	ug/L 11/11/2006
	BMSD		27	90		3	(< 20 )	30	ug/L 11/11/2006





SGS Ref.# 1066641012 Billable Matrix Spike  
 1066641013 Billable Matrix Spike Dup.

Printed Date/Time 11/20/2006 9:59  
 Prep Batch VXX16253  
 Method Volatiles Extraction 8240/8260  
 Date 11/11/2006

Original 1066641011  
 Matrix Water (Surface, Eff., Ground)

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
<b>Volatile Gas Chromatography/Mass Spectroscopy</b>									
Bromobenzene	BMS	ND	28.1	94	(87-115)			30	ug/L 11/11/2006
	BMSD		28.3	94		1	(< 20)	30	ug/L 11/11/2006
o-Xylene	BMS	ND	26.9	90	(80-120)			30	ug/L 11/11/2006
	BMSD		27.9	93		4	(< 20)	30	ug/L 11/11/2006
1,2,3-Trichloropropane	BMS	ND	25	83*	(86-118)			30	ug/L 11/11/2006
	BMSD		27.3	91		9	(< 20)	30	ug/L 11/11/2006
n-Propylbenzene	BMS	ND	25.5	85*	(87-123)			30	ug/L 11/11/2006
	BMSD		26	87*		2	(< 20)	30	ug/L 11/11/2006
2-Chlorotoluene	BMS	ND	26.9	90	(85-121)			30	ug/L 11/11/2006
	BMSD		27.1	90		1	(< 20)	30	ug/L 11/11/2006
4-Chlorotoluene	BMS	ND	26.5	88	(81-126)			30	ug/L 11/11/2006
	BMSD		27	90		2	(< 20)	30	ug/L 11/11/2006
1,1,2,2-Tetrachloroethane	BMS	ND	23	77*	(80-123)			30	ug/L 11/11/2006
	BMSD		30.1	100*		27 *	(< 20)	30	ug/L 11/11/2006
1,3,5-Trimethylbenzene	BMS	ND	25.8	86*	(87-118)			30	ug/L 11/11/2006
	BMSD		27.1	90		5	(< 20)	30	ug/L 11/11/2006
tert-Butylbenzene	BMS	ND	27	90	(86-121)			30	ug/L 11/11/2006
	BMSD		27.3	91		1	(< 20)	30	ug/L 11/11/2006
1,2,4-Trimethylbenzene	BMS	ND	25.3	84*	(87-117)			30	ug/L 11/11/2006
	BMSD		25.6	86*		2	(< 20)	30	ug/L 11/11/2006
sec-Butylbenzene	BMS	ND	28.4	95	(88-125)			30	ug/L 11/11/2006
	BMSD		29	97		2	(< 20)	30	ug/L 11/11/2006
4-Isopropyltoluene	BMS	ND	26.7	89	(83-119)			30	ug/L 11/11/2006
	BMSD		27.6	92		3	(< 20)	30	ug/L 11/11/2006
1,4-Dichlorobenzene	BMS	ND	28	93	(82-121)			30	ug/L 11/11/2006
	BMSD		28.6	95		2	(< 20)	30	ug/L 11/11/2006
1,2-Dichlorobenzene	BMS	0.990 J	27.4	88	(86-114)			30	ug/L 11/11/2006
	BMSD		28.2	91		3	(< 20)	30	ug/L 11/11/2006
n-Butylbenzene	BMS	ND	27.4	91	(83-130)			30	ug/L 11/11/2006
	BMSD		28	94		2	(< 20)	30	ug/L 11/11/2006
1,3-Dichlorobenzene	BMS	ND	28.1	94	(83-118)			30	ug/L 11/11/2006
	BMSD		28.5	95		1	(< 20)	30	ug/L 11/11/2006
1,2-Dibromo-3-chloropropane	BMS	ND	21.2	71*	(80-122)			30	ug/L 11/11/2006
	BMSD		27.1	90*		24 *	(< 20)	30	ug/L 11/11/2006
1,2,4-Trichlorobenzene	BMS	ND	27.9	93	(85-120)			30	ug/L 11/11/2006
	BMSD		28.7	96		3	(< 20)	30	ug/L 11/11/2006
Hexachlorobutadiene	BMS	ND	30.2	101	(81-126)			30	ug/L 11/11/2006
	BMSD		31	103		3	(< 20)	30	ug/L 11/11/2006
Xylenes (total)	BMS	ND	80.6	90	(80-120)			90	ug/L 11/11/2006
	BMSD		83.1	92		3	(< 20)	90	ug/L 11/11/2006



SGS Ref.# 1066641012 Billable Matrix Spike  
1066641013 Billable Matrix Spike Dup.

Printed Date/Time 11/20/2006 9:59  
Prep Batch VXX16253  
Method Volatiles Extraction 8240/8260  
Date 11/11/2006

Original 1066641011  
Matrix Water (Surface, Eff., Ground)

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Volatile Gas Chromatography/Mass Spectroscopy**

Naphthalene	BMS ND	26.3	88	( 82-126 )				30	ug/L11/11/2006
	BMSD	30.1	100			13	(< 20 )	30	ug/L 11/11/2006
1,2,3-Trichlorobenzene	BMS ND	27.7	92	( 86-124 )				30	ug/L11/11/2006
	BMSD	28.7	96			4	(< 20 )	30	ug/L 11/11/2006
4-Methyl-2-pentanone (MIBK)	BMS ND	83.6	93	( 73-134 )				90	ug/L11/11/2006
	BMSD	90.9	101			8	(< 20 )	90	ug/L 11/11/2006
2-Hexanone	BMS ND	88.6	98	( 76-130 )				90	ug/L11/11/2006
	BMSD	98.8	110			11	(< 20 )	90	ug/L 11/11/2006
Methyl-t-butyl ether	BMS ND	42.5	94	( 83-119 )				45	ug/L11/11/2006
	BMSD	44.4	99			5	(< 20 )	45	ug/L 11/11/2006
1,2-Dichloroethane	BMS ND	28.9	96	( 82-119 )				30	ug/L11/11/2006
	BMSD	29.9	100			3	(< 20 )	30	ug/L 11/11/2006

**Surrogates**

Dibromofluoromethane <surr>	BMS	28.3	94	( 85-115 )					11/11/2006
	BMSD	29.1	97			3			11/11/2006
1,2-Dichloroethane-D4 <surr>	BMS	28.6	95	( 72-119 )					11/11/2006
	BMSD	30	100			5			11/11/2006
Toluene-d8 <surr>	BMS	27.7	92	( 85-120 )					11/11/2006
	BMSD	28.7	96			3			11/11/2006
4-Bromofluorobenzene <surr>	BMS	25.9	86	( 76-119 )					11/11/2006
	BMSD	27	90			4			11/11/2006

Batch VMS8838  
Method SW8260B  
Instrument HP 5890 Series II MS5 VLA



CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

1066641



B
awai
aryland
orth Carolina

063366

CLIENT: OASIS Environmental, Inc.
CONTACT: Ben Martich
PROJECT: FIA Drainage Pond
REPORTS TO: OASIS
INVOICE TO: Rita Bachand, OASIS

SGS Reference: OASIS Project # 95-017
PAGE 1 OF 3

Table with columns: No, CONTAINERS, SAMPLE TYPE, Preservatives Used, Analysis Required, REMARKS. Includes handwritten entries for VOC, Cl, SO4, NO3, Manganese, Alkalinity, Dissolved Fe.

Table with columns: LAB NO., SAMPLE IDENTIFICATION, DATE, TIME, MATRIX. Includes handwritten entries for TW1-15, TW1-25, TW1-35, TW1-45, TW2-15, TW2-25, TW2-35, MW-36, MW29R, MW12.

Collected/Relinquished By: (1)
Relinquished By: (2)
Relinquished By: (3)
Relinquished By: (4)

Shipping Carrier:
Shipping Ticket No:
Special Deliverable Requirements:
Requested Turnaround Time and Special Instructions:
\*Note short hold times for EPA Methods 300.0 and 2320B
SHORT HOLDING



**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

1066641



Wilmington  
 North Carolina

063367

<b>1</b> CLIENT: <u>OASIS Environmental</u> CONTACT: <u>Ben Martich</u> PHONE NO.: <u>(907) 441-9430</u> PROJECT: <u>FIA Drainage Pond</u> SITE/PWSID#: _____ REPORTS TO: <u>Ben Martich</u> E-MAIL: <u>ben@oasisenviro.com</u> <u>OASIS Julie Ahon</u> <u>julie@oasisenviro.com</u> INVOICE TO: <u>OASIS,</u> QUOTE # _____ <u>Rita Bachand</u> P.O. NUMBER _____					SGS Reference: <u>OASIS Project # 95-017</u> PAGE <u>2</u> OF <u>3</u>																																																																																																																																					
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**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

1066641



iii  
land  
Carolina  
063365

<b>1</b> CLIENT: <u>OASIS Environmental</u>					SGS Reference: <u>OASIS Project # 95-017</u>			PAGE <u>3</u> OF <u>3</u>			
CONTACT: <u>Ben Martich</u>		PHONE NO: <u>(907) 441-9430</u>			CONTAINERS			Preservatives Used: <u>He1</u> Analysis Required: <u>VOC (8260B)</u> C= COMP: <u>3</u> G= GRAB			
PROJECT: <u>FIA Drainage Pond</u>		SITE/PWSID#:									
REPORTS TO:		E-MAIL:									
INVOICE TO: <u>↓</u>		QUOTE #									
<u>See page 1 or 2</u>		FAX NO.: <u>→</u>			REMARKS						
P.O. NUMBER											
<b>2</b> LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No	SAMPLE TYPE	C= COMP	G= GRAB			
<u>3</u> A-B	<u>Trip Blank</u>	<u>10/29/06</u>	<u>0700</u>	<u>W</u>	<u>3</u>	<u>G</u>	<u>X</u>				
<b>5</b>					<b>4</b>						
Collected/Relinquished By: (1) <u>JL</u>		Date: <u>11/3/06</u>	Time: <u>1745</u>	Received By:		Shipping Carrier:		Samples Received Cold? (Circle) YES NO			
Relinquished By: (2)		Date:	Time:	Received By:		Shipping Ticket No:		Temperature (C: <u>1.1</u> ; TB: <u>0.3</u> )			
Relinquished By: (3)		Date:	Time:	Received By:		Special Deliverable Requirements:		Chain of Custody Seal: (Circle)			
Relinquished By: (4)		Date: <u>11/3/06</u>	Time: <u>0810</u>	Received By: <u>[Signature]</u>		Requested Turnaround Time and Special Instructions:		INTACT <u>X</u> <sup>2</sup> BROKEN ABSENT			
								<b>SHORT HOLDING</b>			



SAMPLE RECEIPT FORM

SGS WO#:

Yes No NA

- Are samples RUSH, priority, or w/n 72 hrs. of hold time?
- If yes have you done e-mail notification?
- Are samples within 24 hrs. of hold time or due date?
- If yes, have you spoken with Supervisor?
- Archiving bottles - if req., are they properly marked?
- Are there any problems? PM Notified? Yes
- Were samples preserved correctly and pH verified?

Due Date: 11/16/06  
 Received Date: 11/3/06  
 Received Time: 0810  
 Is date/time conversion necessary? NO  
 # of hours to AK Local Time: \_\_\_\_\_  
 Thermometer ID: 695

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>0.3</u> °C	<u>1.1</u> °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C

\*Temperature readings include thermometer correction factors

- If this is for PWS, provide PWSID. \_\_\_\_\_
- Will courier charges apply?  
Method of payment? \_\_\_\_\_
- Data package required? (Level: 1 / 2 / 3 / 4)  
Notes: \_\_\_\_\_
- Is this a DoD project? (USACE, Navy, AFCEE)

Delivery method (circle all that apply): Client /  
 Alert Courier /  UPS / FedEx / USPS /  
 AA Goldstreak /  NAC / ERA / PenAir / Carllie  
 Lynden / SGS / Other: \_\_\_\_\_

Airbill # \_\_\_\_\_  
 Additional Sample Remarks: (✓ if applicable)  
 Extra Sample Volume?  
 Limited Sample Volume? (6)(7)(1)(2)  
 Field preserved for volatiles? (18)(19)(21)  
 Field-filtered for dissolved? (23)A  
 Lab-filtered for dissolved?  
 Ref Lab required?  
 Foreign Soil?

This section must be filled out for DoD projects (USACE, Navy, AFCEE)

Yes No

- \_\_\_\_\_   Is received temperature  $4 \pm 2^\circ\text{C}$ ?  
Exceptions: \_\_\_\_\_ Samples/Analyses Affected: \_\_\_\_\_
- \_\_\_\_\_   Rad Screen performed? Result: \_\_\_\_\_
- \_\_\_\_\_   Was there an airbill? (Note # above in the right hand column)
- \_\_\_\_\_   Was cooler sealed with custody seals?  
# / where: \_\_\_\_\_
- \_\_\_\_\_   Were seal(s) intact upon arrival?
- \_\_\_\_\_   Was there a COC with cooler?
- \_\_\_\_\_   Was COC sealed in plastic bag & taped inside lid of cooler?
- \_\_\_\_\_   Was the COC filled out properly?
- \_\_\_\_\_   Did the COC indicate COE / AFCEE / Navy project?
- \_\_\_\_\_   Did the COC and samples correspond?
- \_\_\_\_\_   Were all sample packed to prevent breakage?  
Packing material: \_\_\_\_\_
- \_\_\_\_\_   Were all samples unbroken and clearly labeled?
- \_\_\_\_\_   Were all samples sealed in separate plastic bags?
- \_\_\_\_\_   Were all VOCs free of headspace and/or MeOH preserved?
- \_\_\_\_\_   Were correct container / sample sizes submitted?
- \_\_\_\_\_   Is sample condition good?
- \_\_\_\_\_   Was copy of CoC, SRF, and custody seals given to PM to fax?

This section must be filled if problems are found.

Yes No

- Was client notified of problems?

Individual contacted: Julie Ahern & Ben Madrick  
 Via:  Phone /  Fax /  Email (circle one)  
 Date/Time: 11/3 @ 0930  
 Reason for contact: see below. Only  
run alkalinity on sample  
-020. All others alkalinities  
are cancelled per Ben.

Change Order Required? Yes  
 SGS Contact: BOA

Notes: Ice in temp blank and samples. All containers for Mn & diss. Fe  
have ice, all containers for alkalinity have ice, MW-11R & MW-30R for anions  
have ice. MW30R & TW2-25, TW2-35 one VOA vial from each broken @ time of  
receipt (VOA gassed as sample was frozen). Trip blank - one good vial - 1 broken, 1 has headspace > 1c  
TW1-45, MW12, 14C & 10C had ice in vials, 10C has 1cm air bubble pH it.

Completed by (sign): [Signature] (print): Reena Mistry

Login proof (check one): waived \_\_\_\_\_ required \_\_\_\_\_ performed by: \_\_\_\_\_

SHORT HOLDING







**SGS**

Environmental

**CUSTODY SEAL**

Signature:

*J. Ahern* (Julie Ahern)

Date/Time:

11/3/06, 1800

**SGS**

Environmental

**CUSTODY SEAL**

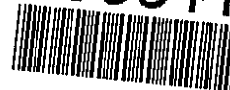
Signature:

*J. Ahern* (Julie Ahern)

Date/Time:

11/2/06 1800

1066641



GoldSneak  
Alaska Airlines

Project 95-017

www.ALASKACARGO.com  
1-800-225-2752

P.O. Box 68900  
Seattle, WA 98168

Airline **027-** Origin **AK** AIR WAYBILL Number **1410 0660**

Shipper: **ALASKA ELECTRIC**

Address: **1000 EAST ST ANCHORAGE AK 99501**

Phone: **907-258-4530**

State: **AK** Zip Code: **99501**

Total Pieces: **1** Total Weight: **24**

Form of Payment:  Cash  Check  GBL - Attach GBL

AS Account Number: **8971122905**

Credit Card Number: **16-50**

Validata Approval: **WKC**

AIRPORT TO AIRPORT SERVICE

PCS	FRANGE	RATE	CHARGE
	GSX LETTER		
	1-15		
	16-50		500
	51-70		
	71-100		

at this shipment does not contain any unauthorized explosives, destructive devices or hazardous materials.

Shipper's Signature: **[Signature]** PRINTED NAME: **ALASKA ELECTRIC** Date: **11/5/06**

Domestic  International

Declared Value For Customs: **500**

Point of Departure: **ANC** First Carrier: **AS** Airport of Destination: **ANC**

Weight and Quantity of Goods: **24**

Shipping Information: **2000**

Executed By: **BB** Date/Time: **11-2-06 1830**

Carrier	Flight	Destination	E.T.A.
AS	146	ANC	9:10

1066641

Barcode:

1st Carrier	2nd Carrier	3rd Carrier

Tax (Offline only)

Pickup (NON AS COURIER)

Delivery (NON AS COURIER)

Special Service

Insurance

TOTAL: **500**

Consignee: **SGS - HILCO** (Complete Consignee information required on package)

Address: **1000 PATTON DR ANCHORAGE AK 99502**

Phone: **907-252-2424**

State: **AK** Zip Code: **99502**

Consignee's Printed Name-Signature: **[Signature]** Time: **11:50** a.m. Date: **11/5/06**

Line **07-** Origin **AK** AIR WAYBILL Number **1410 0660**

GoldSneak Alaska Airlines

Non-negotiable AIR WAYBILL subject to the terms and conditions set forth on the reverse of shippers copy.

Door-To-Door Service: (800) 634-7113

2. Consignee Memo

**Alert Expeditors Inc.**  
**DBA/Petroleum Courier Service**

Citywide Delivery  
272-0349 • 440-3351

8421 Flamingo Drive • Anchorage, Alaska 99502

176434

Date: **11-5-06**

From: **ANCHORAGE**

To: **SGS**

Collect  Prepay  Advance Charges   
Account

Job # **6514100660** PO#

1066641

Shipped Signature: **[Signature]**

Received By: **[Signature]** Total Charge: **0810**



**SGS Environmental Services  
Alaska Division  
Level II Laboratory Data Report**

Project: FIA Drainage Pond  
Client: Oasis Environmental  
SGS Work Order: 1066688

Released by:

**Contents:**

Cover Page  
Case Narrative  
Final Report Pages  
Quality Control Summary Forms  
Chain of Custody/Sample Receipt Forms

**Note:**  
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



## CASE NARRATIVE

Print Date: 11/22/2006

**Client Name: Oasis Environmental**  
**Project Name: FIA Drainage Pond**  
**Workorder No.: 1066688**

### Sample Comments

Refer to the sample receipt form for information on sample condition.

Lab Sample ID      Sample Type      Client Sample ID

There were no analytical anomalies associated with the data reported herein.



## Laboratory Analytical Report

Client: **Oasis Environmental**  
825 W 8th Ste 200  
Anchorage, AK 99501

Attn: **Ben Martich**  
T: (907)258-4880 F:(907)258-4033  
ben@oasisenviro.com

Project: **FIA Drainage Pond**

Workorder No.: **1066688**

### Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Bryan Arnold  
Bryan\_Arnold@sgs.com  
Project Manager



Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

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

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 11/22/2006

Client Name: Oasis Environmental  
Project Name: FIA Drainage Pond  
Workorder No.: 1066688

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1066688001	MW11R
1066688002	MW20
1066688003	MW30 R
1066688004	MW35



Oasis Environmental

Print Date: 11/22/2006

Client Sample ID: **MW11R**  
SGS Ref. #: 1066688001  
Project ID: FIA Drainage Pond  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/06/06 11:50  
Receipt Date/Time: 11/07/06 09:56

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Alkalinity	588	10.0	3.10	mg/L	1	WTI2723		

**Batch Information**

Analytical Batch: WTI2723  
Analytical Method: SM20 2320B  
Analysis Date/Time: 11/17/06 10:00  
Dilution Factor: 1

Initial Prep Wt./Vol.: 100 mL  
Container ID:1066688001-A  
Analyst: PLW





Oasis Environmental

Print Date: 11/22/2006

Client Sample ID: **MW20**  
SGS Ref. #: 1066688002  
Project ID: FIA Drainage Pond  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/06/06 11:20  
Receipt Date/Time: 11/07/06 09:56

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Alkalinity	376	10.0	3.10	mg/L	1	WTI2723		

**Batch Information**

Analytical Batch: WTI2723  
Analytical Method: SM20 2320B  
Analysis Date/Time: 11/17/06 10:00  
Dilution Factor: 1

Initial Prep Wt./Vol.: 100 mL  
Container ID:1066688002-A  
Analyst: PLW



Oasis Environmental

Print Date: 11/22/2006

Client Sample ID: **MW30 R**  
SGS Ref. #: 1066688003  
Project ID: FIA Drainage Pond  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/06/06 12:25  
Receipt Date/Time: 11/07/06 09:56

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Alkalinity	672	10.0	3.10	mg/L	1	WTI2723		

**Batch Information**

Analytical Batch: WTI2723  
Analytical Method: SM20 2320B  
Analysis Date/Time: 11/17/06 10:00  
Dilution Factor: 1

Initial Prep Wt./Vol.: 100 mL  
Container ID:1066688003-A  
Analyst: PLW



Oasis Environmental

Print Date: 11/22/2006

Client Sample ID: **MW35**  
SGS Ref. #: 1066688004  
Project ID: FIA Drainage Pond  
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time  
Collection Date/Time: 11/06/06 12:56  
Receipt Date/Time: 11/07/06 09:56

**Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Alkalinity	396	10.0	3.10	mg/L	1	WTI2723		

**Batch Information**

Analytical Batch: WTI2723  
Analytical Method: SM20 2320B  
Analysis Date/Time: 11/17/06 10:00  
Dilution Factor: 1

Initial Prep Wt./Vol.: 100 mL  
Container ID:1066688004-A  
Analyst: PLW



SGS Ref.# 742216 Method Blank  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/22/2006 13:37  
Prep Batch  
Method  
Date

QC results affect the following production samples:  
1066688001, 1066688002, 1066688003, 1066688004

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
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Waters Department

Alkalinity	ND	10.0	3.10	mg/L	11/17/06
Batch	WTI2723				
Method	SM20 2320B				
Instrument					



SGS Ref.# 742218 Duplicate  
Client Name Oasis Environmental  
Project Name/# FIA Drainage Pond  
Original 1066691001  
Matrix Water (Surface, Eff., Ground)

Printed Date/Time 11/22/2006 13:37  
Prep Batch  
Method  
Date

QC results affect the following production samples:  
1066688001, 1066688002, 1066688003, 1066688004

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
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Waters Department

Alkalinity	100	100	mg/L	0	(< 20)	11/17/2006
Batch	WT12723					
Method	SM20 2320B					
Instrument						



SGS Ref.# 742217 Lab Control Sample

Printed Date/Time 11/22/2006 13:37  
Prep Batch

Client Name Oasis Environmental

Project Name/# FIA Drainage Pond

Matrix Water (Surface, Eff., Ground)

Method  
Date

QC results affect the following production samples:

1066688001, 1066688002, 1066688003, 1066688004

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Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
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**Waters Department**

Alkalinity LCS 258 103 (90-110) 250 mg/L 11/17/2006

Batch WT12723  
Method SM20 2320B  
Instrument

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**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

1066688

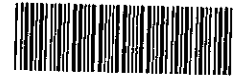


ii  
and  
Carolina

063372

<b>1</b> CLIENT: <u>OASIS Environmental</u>					SGS Reference: <u>OASIS Project #95-017</u>					PAGE <u>1</u> OF <u>1</u>		
CONTACT: <u>Julie Ahern</u>			PHONE NO: <u>(907) 388-4273</u>			<b>CONTAINERS</b>					Preservatives Used Analysis Required <u>Alkalinity (23008)</u>	
PROJECT: <u>FIA Drainage Pond</u>			SITE/PWSID#:									
REPORTS TO: <u>Ben Mertich</u> <u>OASIS</u> → <u>Julie Ahern</u>			E-MAIL: <u>ben@oasisenviro.com</u> <u>julie@oasisenviro.com</u>									
INVOICE TO: <u>Rita Bechard</u> <u>OASIS</u> → <u>825 W. 8th Ave, Ste 200</u> <u>Anchorage, AK 99501</u>			QUOTE # P.O. NUMBER									
<b>2</b> LAB NO.		SAMPLE IDENTIFICATION			DATE	TIME	MATRIX	No C=COMP G=GRAB	Analysis Required <b>3</b>	REMARKS		
<b>1</b> A		MW11R			11/6/06	1150	W	1 G	X			
<b>2</b> ↓		MW20			11/6/06	1120	W	1 G	X			
<b>3</b> ↓		MW30R			11/6/06	1225	W	1 G	X			
<b>4</b> ↓		MW35			11/6/06	1256	W	1 G	X			
<b>5</b> Collected/Relinquished By: (1) <u>[Signature]</u>				Date <u>11/6/06</u>	Time <u>1330</u>	Received By:			<b>4</b> Shipping Carrier:		Samples Received Cold? (Circle) YES NO	
Relinquished By: (2)				Date	Time	Received By:			Shipping Ticket No:		Temperature (C): <u>C=0.7</u> <u>TB=0.6</u>	
Relinquished By: (3)				Date	Time	Received By:			Special Deliverable Requirements:		Chain of Custody Seal: (Circle) <input checked="" type="radio"/> INTACT <input type="radio"/> BROKEN <input type="radio"/> ABSENT	
Relinquished By: (4)				Date <u>11/7/06</u>	Time <u>0956</u>	Received By: <u>[Signature]</u>			Requested Turnaround Time and Special Instructions: <u>Note: 48-hr hold time</u>			





SAMPLE RECEIPT FORM

SGS WO#:

- Yes  No  NA  Are samples **RUSH**, priority, or w/n 72 hrs. of hold time?
- Yes  No  NA  If yes have you done *e-mail notification*?
- Yes  No  NA  Are samples *within 24 hrs. of hold time* or due date?
- Yes  No  NA  If yes, have you *spoken with Supervisor*?
- Yes  No  NA  Archiving bottles – if req., are they properly marked?
- Yes  No  NA  Are there any **problems**? PM Notified? \_\_\_\_\_
- Yes  No  NA  Were samples preserved correctly and pH verified?

Due Date: 11/20/06  
 Received Date: 11/7/06  
 Received Time: 0956  
 Is date/time conversion necessary? No  
 # of hours to AK Local Time: \_\_\_\_\_  
 Thermometer ID: 69D

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>0.6 °C</u>	<u>0.7 °C</u>
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C

\*Temperature readings include thermometer correction factors

- Yes  No  NA  If this is for PWS, provide **PWSID**. \_\_\_\_\_
- Yes  No  NA  Will courier charges apply? \_\_\_\_\_
- Method of payment? \_\_\_\_\_
- Yes  No  NA  Data package required? (Level: 1 / (2) / 3 / 4)
- Notes: \_\_\_\_\_
- Yes  No  NA  Is this a DoD project? (USACE, Navy, AFCEE)

Delivery method (circle all that apply): Client /  
 Alert Courier / UPS / FedEx / USPS /  
 AA Goldstreak / NAC / ERA / PenAir / Carllie  
 Lynden / SGS / Other: \_\_\_\_\_

Airbill # 14065306  
 Additional Sample Remarks: (✓ if applicable)  
 Extra Sample Volume?  
 Limited Sample Volume?  
 Field preserved for volatiles?  
 Field-filtered for dissolved?  
 Lab-filtered for dissolved?  
 Ref Lab required?  
 Foreign Soil?

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

Yes	No		Samples/Analyses Affected:
_____	_____	Is received temperature 4 ± 2°C?	_____
_____	_____	Exceptions: _____	_____
_____	_____	Rad Screen performed? Result: _____	_____
_____	_____	Was there an airbill? (Note # above in the right hand column)	_____
_____	_____	Was cooler sealed with custody seals? # / where: _____	_____
_____	_____	Were seal(s) intact upon arrival?	_____
_____	_____	Was there a COC with cooler?	_____
_____	_____	Was COC sealed in plastic bag & taped inside lid of cooler?	_____
_____	_____	Was the COC filled out properly?	_____
_____	_____	Did the COC indicate COE / AFCEE / Navy project?	_____
_____	_____	Did the COC and samples correspond?	_____
_____	_____	Were all sample packed to prevent breakage? Packing material: _____	_____
_____	_____	Were all samples unbroken and clearly labeled?	_____
_____	_____	Were all samples sealed in separate plastic bags?	_____
_____	_____	Were all VOCs free of headspace and/or MeOH preserved?	_____
_____	_____	Were correct container / sample sizes submitted?	_____
_____	_____	Is sample condition good?	_____
_____	_____	Was copy of CoC, SRF, and custody seals given to PM to fax?	_____

**This section must be filled if problems are found**

Yes	No	
_____	_____	Was client notified of problems?
_____	_____	Individual contacted: _____
_____	_____	Via: Phone / Fax / Email (circle one)
_____	_____	Date/Time: _____
_____	_____	Reason for contact: _____
_____	_____	Change Order Required? _____
_____	_____	SGS Contact: _____

Notes: Cooler & Temp Blank temps too low, but no ice in temp blank or samples

Completed by (sign): [Signature] (print): Reena Mistry  
 Login proof (check one): waived  required  performed by: \_\_\_\_\_



**SGS** Environmental

**CUSTODY SEAL**

Signature: *[Handwritten Signature]*

Date/Time: 11/06/06, 1340

**SGS** Environmental

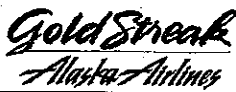
**CUSTODY SEAL**

Signature: *[Handwritten Signature]*

Date/Time: 11/06/06, 1340

1066688





www.ALASKACARGO.com  
1-800-225-2752

P.O. Box 68900  
Seattle, WA 98168

Airline **027-** Origin **AK** AIR WAYBILL Number **1406 5306**

From Shipper: **0275 Environmental**

Address: **2325 W. 3rd Ave** Phone: **907-339-4137**

City: **Anchorage** State: **AK** Zip Code: **99501**

I certify that this shipment does not contain any unauthorized explosives, destructive devices or hazardous materials.

Shipper's Signature **X** PRINTED NAME **The Alaska Wildlife Center** Date **1/16/10**

Domestic  International

Insured Value **500** Declared Value For Customs **500**

Airport of Departure **ANC** First Carrier **AS** Airport of Destination **ANC**

Nature and Quantity of Goods: **Grain Samples**

Handling Information: **Keep cool but DO NOT FREEZE**

To Consignee: (Complete Consignee information required on package)  
**SAS + HUB REVIEW ANCHORAGE - HOLD FOR DELIVERY**

Address: **200 W. P. Hill Dr** Phone: **907-562-2341**

City: **Anchorage** State: **AK** Zip Code: **99517**

Consignee's Printed Name-Signature (Received in Good Order Except as Noted) \_\_\_\_\_

Time \_\_\_\_\_ a.m. / p.m.  
Date \_\_\_\_\_

Airline **027-** Origin **AK** AIR WAYBILL Number **1406 5306**

**GoldStreak Alaska Airlines**

Total Pieces **1** Total Weight **11**

Form of Payment  
 Cash  Check  GBL—Attach GBL  
 AS Account Number  
 Credit Card Number

Validate Approval **1/16/10**

**CHECK ONE ONLY**

AIRPORT TO AIRPORT SERVICE

PICKUP ONLY  DELIVERY ONLY  DOOR TO DOOR

Executed By: \_\_\_\_\_ Date/Time \_\_\_\_\_ a.m. / p.m.

PCS.	WT. RANGE	RATE	CHARGE
	GSX LETTER		
	1-15		
	16-50		500
	51-70		
	71-100		

Carrier	Flight	Destination	E.T.A.
<b>AS</b>	<b>11-72</b>	<b>ANC</b>	<b>4:30</b>

**1066688**

MULTIPLE PIECES FOR AS FLIGHTS ONLY

Please  If Live Animal

Subtotal Charges **500**

AS COURIER CHARGES

Other Charges

1st Carrier

2nd Carrier

3rd Carrier

Tax (Offline only)

Pickup (NON AS COURIER)

Delivery (NON AS COURIER)

Special Service

Insurance

TOTAL **500**

Shipper to complete all shaded areas

This is a non-negotiable AIR WAYBILL subject to the terms and conditions set forth on the reverse of shippers copy.