SIGNATURE RECEIVED 8/13/09

FILE COPY

OhioEPA

State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

Central District Office

TELE: (614) 728-3778 FAX: (614) 728-3898
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

Certified Mail #91 7108 2133 3932 4449 8348

August 12, 2009

Paul Kennedy
Environmental, Safety, Health Supervisor
Columbus Municipal Airport Authority
4600 International Gateway
Columbus, OH 43219

Re: Port Columbus Airport
NPDES permit: 4II00007

Dear Mr. Kennedy:

Attached is the Reconnaissance Inspection Report conducted by Ohio EPA for the Port Columbus International Airport located at 4600 International Gateway and operating under NPDES permit 4II00007.

There are several items in the Attachment section of the report which requires a written response. Please respond in writing within 30 days of the receipt of this report.

Should you have any questions, please call me at 728-3846.

Sincerely,

Larry Korecko

Larry Korecko
Environmental Specialist
Enforcement and Compliance
Division of Surface Water
Central District Office

LK/nsm Port Columbus Airport RI 7-2009

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
4II00007	OH0134311	07/16/2009	R	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Columbus Municipal Airport (Port Columbus) 4600 International Gateway Columbus, OH		02/01/2005
	Exit Time	**Permit Expiration Date**
		7/31/2007

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Paul Kennedy, Environmental, Health, Safety Supervisor	614-239-3347
Name, Address and Title of Responsible Official	**Phone Number**
Paul Kennedy, Environmental, Safety, Health Supervisor	614-239-3347

C. AREAS EVALUATED DURING INSPECTION

S	Permit	S*	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedules
S*	Operations & Maintenance	S*	Effluent/Receiving Waters	S	Self-Monitoring Program
M*	Facility Site Review	N	Sludge Storage/Disposal		Other
S*	Collection System				

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

- Please indicate the dates that the diversion valve was operating to divert runoff to the large collection tanks and ultimately the Columbus sanitary sewer for the period November 08 through April 09.
- Please respond as to what actions you will take or have taken to attempt to locate sources of glycol (like the old storm sewers that may have been left when the new collection system was installed; and are you planning to clean out the oil-water separator by the diversion chamber to see if this has any reduction on CBOD5 ?
- Is there any written protocol as to what method of flow measurement is reported on the self-monitoring reports? This is in regard to a few occasions where two different methods were averaged.
- Were there any obvious reasons for the high CBOD5 value on January 14, 2009 ?
- The odors that were present in the small tributary below outfall-601 were very strong in April 2009 and still present in July 2009 although not as bad. Fungal growth on rocks remained even into July.

Larry Korecko — 8-10-09

Larry Korecko, Inspector, Ohio EPA, Central District Office — Date

Erin Sherer — 8-10-09

Erin Sherer, Reviewer, Ohio EPA, Central District Office — Date

ATTACHMENT

Permit

Final limits for various outfalls became effective February 1, 2007 for dissolved oxygen, ammonia, propylene glycol, and CBOD5.

Operations and Maintenance

The glycol collection system for storm water runoff has been operational now for at least two winters.

This computerized system is known as a HMI-SCADA system (Human Machine Interface-Supervisory Control and Data Acquisition). On the computer one can see in real time what valves are open or closed, what the volume in the storage tanks are, what the TOC instruments are reading, etc. The operation of the system can be controlled remotely as well.

Storm water is analyzed in-line by a TOC instrument. When the TOC of the storm water exceeds 1000 mg/l there are valves which are activated diverting the storm water to storage tanks that will eventually discharge to the Columbus sanitary sewer. TOC and CBOD5 for various blends of storm water contaminated with propylene glycol were analyzed and correlated. It was determined that the TOC correlation is:

$$\text{BOD5 mg/l} = \exp(0.91 * \ln(\text{TOC}) + 1.4)$$

Once the system is in the "diversion mode" the storm water will keep flowing to the storage tanks until the TOC level drops below 700 mg/l.

The TOC unit is calibrated once per month to ensure that storm water will be diverted to storage and subsequently to sanitary sewer in time such that glycol levels and their subsequent BOD5 strength do not cause NPDES permit violations. Columbus Airport also had RD Zande Lab take samples and analyze for TOC and compare these sample results with the TOC instrument results the airport has. According to airport environmental personnel the results were compatible.

Outfall -006 is actually made up of runoff from a portion of the airport that does not go through the "glycol/TOC monitoring and diversion system" along with that portion of airport paving that does go through the "glycol/TOC monitoring and diversion system". Thus there can be flow through outfall -006 when the system is in the diversion mode. Also, it should be noted that when the system is in "diversion mode", outfall -601 does not discharge to the stream or through outfall -006 but goes to "storage" and then into the Columbus sanitary sewer.

A Spill Prevention Control and Countermeasure (SPCC) plan for the Port Columbus Airport was last updated October, 2006.

Please **indicate the dates** that the diversion valve was set to divert flow to the holding tanks (and then sanitary sewer) for the winter of 2009. Was it an interval like Dec 15th 2008 through March 10th 2009 or were there days in between during obvious hot weather above 32 degrees F that the diversion was turned back to the storm sewer/stream during those winter months?

Review of monthly operating reports for the period March 2008 through June 2009 indicated only three dissolved oxygen violations. These were all at outfall -006 and were in March 2008 (3.92 mg/l), August 2008 (4.85 mg/l), and March 2009 (4.54 mg/l).
These are also listed on an attached page listing violations.

Even though there were no violations of BOD5 and propylene glycol limitations, the effect on the receiving stream is most noticeable. There is fungus growth on the rocks indicating septic conditions at least on the stream bottom.
There was an obvious smell as one approached the oil-water separator near outfall -006 and then in the unnamed tributary to Big Walnut from this point all the way to the confluence with Big Walnut Creek.

The concentration for BOD5 for outfall -006 on January 14, 2009 was 1880 mg/l which was above the monthly average of 1300 mg/l. However, the other sample for the month brought the average to below permit limits. **Were there any obvious reasons as to why the CBOD5 was so high on January 14th?**

On July 16, 2009 there was still an odor around the oil-water separator near -601 outfall and there were fungal deposits on the rocks all the way down the tributary below -601.

Discussion centered around if there was still propylene glycol in the old collector system which was seeping along the bedding or into the new storm sewer collection system.
Another possibility is cleaning out the oil-water separator after the deicing season so that perhaps the runoff will be cleaner/less polluted. This may help the small receiving tributary clean itself up a little easier and more quickly. **Please respond in writing as to what action you may take or have taken to attempt to locate sources of glycol or if a cleaning of the oil-water separator seems reasonable.**

The data sheets from the commercial laboratory doing the sample analyses were compared with data on the monthly self-monitoring discharge reports. All data was correctly transposed. There were a few occasions where the flow was reported either using the flow meter or using a manual method to determine flow. On very few occasions, the two methods were averaged. **Is there any written protocol as to what method of flow measurement is reported on the monthly self-monitoring reports? Please respond in writing.**

I am attaching copies of the results of samples taken by Ohio EPA on April 21 and April 27, 2009 (you may already have been sent these results).

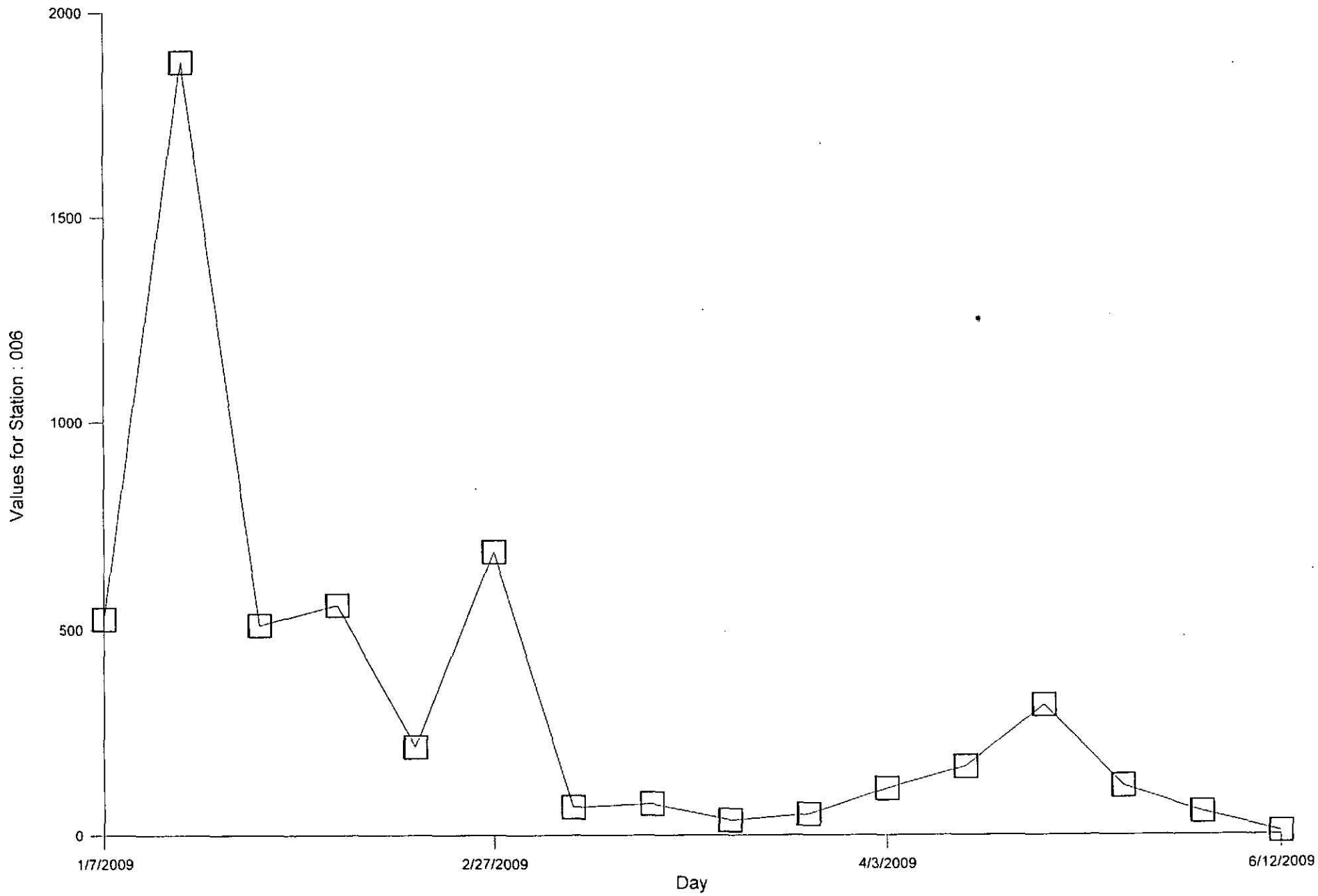
PORT COLUMBUS AIRPORT

~~Get New Data~~

VIOLATIONS JANUARY 2008 THROUGH JUNE 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4II00007*BD	August 2008	006	00300	Dissolved Oxygen	1D Conc	5.0	4.85	8/5/2008
4II00007*BD	March 2008	006	00300	Dissolved Oxygen	1D Conc	5.0	3.92	3/14/2008
4II00007*BD	March 2009	006	00300	Dissolved Oxygen	1D Conc	5.0	4.54	3/19/2009

Port Columbus International Airport 4II00007*BD :
Period : 01/01/2009 to 06/30/2009 Parameter : CBOD 5 day (mg/l)



OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	110696				
Date Received	04/21/2009 10:23 AM	Matrix	SW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected			04/21/2009 9:36 AM	Station ID	
Program	CDO-DSW			Customer ID	PLV0421
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Airport discharge				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Oil&Grease	Oil & Grease	P556	<2.0	2	mg/L	05/13/2009	
Solids_Diss	Total Dissolved Solids	P70300	686	10	mg/L	04/23/2009	
Solids_Susp	Total Suspended Solids	P530	5	5	mg/L	04/23/2009	
TOC	TOC	P680	310	4	mg/L	05/04/2009	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	04/22/2009	
COD	COD	P340	1310	100	mg/L	04/27/2009	
TKN	TKN	P625	0.60	0.2	mg/L	04/24/2009	

Field Comments: Rotten vegetable odor, very strong. CMH

Lab Comments:

QC / Sample Comments:

Approved By: VDESHMUKH On: 05/18/2009

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	110819				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected			04/27/2009 8:00 AM	Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Cols Airport 006				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Oil&Grease	Oil & Grease	P556	< 2.0	2	mg/L	05/13/2009	
Solids_Diss	Total Dissolved Solids	P70300	788	10	mg/L	04/30/2009	
Solids_Susp	Total Suspended Solids	P530	< 5	5	mg/L	04/30/2009	
TOC	TOC	P680	70	2	mg/L	05/04/2009	
Ammonia	Ammonia	P610	0.457	0.05	mg/L	05/01/2009	
COD	COD	P340	214	20	mg/L	05/06/2009	
Nitrate	Nitrate+nitrite	P630	0.13	0.1	mg/L	05/01/2009	
TKN	TKN	P625	0.96	0.2	mg/L	05/01/2009	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH On 05/18/2009

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110822				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 8:00 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Cols Airport 006				

EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Benzene		000071-43-2	<0.50	0.5	04/28/2009	
Bromobenzene		000108-86-1	<0.50	0.5	04/28/2009	
Bromochloromethane		000074-97-5	<0.50	0.5	04/28/2009	
Bromodichloromethane		000075-27-4	<0.50	0.5	04/28/2009	
Bromoform		000075-25-2	<0.50	0.5	04/28/2009	
Bromomethane		000074-83-9	<0.50	0.5	04/28/2009	
n-Butylbenzene		000104-51-8	<0.50	0.5	04/28/2009	
sec-Butylbenzene		000135-98-8	<0.50	0.5	04/28/2009	
tert-Butylbenzene		000098-06-6	<0.50	0.5	04/28/2009	
Carbon tetrachloride		000056-23-5	<0.50	0.5	04/28/2009	
Chlorobenzene		000108-90-7	<0.50	0.5	04/28/2009	
Chloroethane		000075-00-3	<0.50	0.5	04/28/2009	
Chloroform		000067-66-3	3.13	0.5	04/28/2009	
Chloromethane		000074-87-3	<0.50	0.5	04/28/2009	
2-Chlorotoluene		000095-49-8	<0.50	0.5	04/28/2009	
4-Chlorotoluene		000106-43-4	<0.50	0.5	04/28/2009	
Dibromochloromethane		000124-48-1	<0.50	0.5	04/28/2009	
1,2-Dibromo-3-chloropropane		000096-12-8	<0.50	0.5	04/28/2009	
1,2-Dibromoethane		000106-93-4	<0.50	0.5	04/28/2009	
Dibromomethane		000074-95-3	<0.50	0.5	04/28/2009	
1,2-Dichlorobenzene		000095-50-1	<0.50	0.5	04/28/2009	
1,3-Dichlorobenzene		000541-73-1	<0.50	0.5	04/28/2009	
1,4-Dichlorobenzene		000106-46-7	<0.50	0.5	04/28/2009	
Dichlorodifluoromethane		000075-71-8	<0.50	0.5	04/28/2009	
1,1-Dichloroethane		000075-34-3	<0.50	0.5	04/28/2009	
1,2-Dichloroethane		000107-06-2	<0.50	0.5	04/28/2009	
1,1-Dichloroethene		000075-35-4	<0.50	0.5	04/28/2009	
cis-1,2-Dichloroethene		000156-59-2	<0.50	0.5	04/28/2009	
trans-1,2-Dichloroethene		000156-60-5	<0.50	0.5	04/28/2009	
1,2-Dichloropropane		000078-87-5	<0.50	0.5	04/28/2009	
1,3-Dichloropropane		000142-28-9	<0.50	0.5	04/28/2009	
2,2-Dichloropropane		000594-20-7	<0.50	0.5	04/28/2009	
1,1-Dichloropropene		000563-58-6	<0.50	0.5	04/28/2009	
cis-1,3-Dichloropropene		010061-01-5	<0.50	0.5	04/28/2009	
trans-1,3-Dichloropropene		010061-02-6	<0.50	0.5	04/28/2009	
Ethylbenzene		000100-41-4	<0.50	0.5	04/28/2009	
Hexachlorobutadiene		000087-68-3	<0.50	0.5	04/28/2009	
Isopropylbenzene		000098-82-8	<0.50	0.5	04/28/2009	
4-Isopropyltoluene		000099-87-6	<0.50	0.5	04/28/2009	
Methylene chloride		000075-09-2	<0.50	0.5	04/28/2009	
Naphthalene		000091-20-3	<0.50	0.5	04/28/2009	
n-Propylbenzene		000103-65-1	<0.50	0.5	04/28/2009	
Styrene		000100-42-5	<0.50	0.5	04/28/2009	
1,1,1,2-Tetrachloroethane		000630-20-6	<0.50	0.5	04/28/2009	
1,1,2,2-Tetrachloroethane		000079-34-5	<0.50	0.5	04/28/2009	
Tetrachloroethene		000127-18-4	<0.50	0.5	04/28/2009	
Toluene		000108-88-3	<0.50	0.5	04/28/2009	
1,2,3-Trichlorobenzene		000087-61-6	<0.50	0.5	04/28/2009	
1,2,4-Trichlorobenzene		000120-82-1	<0.50	0.5	04/28/2009	
1,1,1-Trichloroethane		000071-55-6	<0.50	0.5	04/28/2009	
1,1,2-Trichloroethane		000079-00-5	<0.50	0.5	04/28/2009	

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110822				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 8:00 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Cols Airport 006				

EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Trichloroethene		000079-01-6	<0.50	0.5	04/28/2009	
Trichlorofluoromethane		000075-69-4	<0.50	0.5	04/28/2009	
1,2,3-Trichloropropane		000096-18-4	<0.50	0.5	04/28/2009	
1,2,4-Trimethylbenzene		000095-63-6	<0.50	0.5	04/28/2009	
1,3,5-Trimethylbenzene		000108-67-8	<0.50	0.5	04/28/2009	
Vinyl chloride		000075-01-4	<0.50	0.5	04/28/2009	
o-Xylene		000095-47-6	<0.50	0.5	04/28/2009	
Total m&p-xylenes		000108-38-3	<0.50	0.5	04/28/2009	

Field Comments

Lab Comments

QC/ Sample Comments

Approved By SROBERTS On 05/11/2009

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	110820				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
Begin		End		Sample Type	COMPLAINT
Date Collected			04/27/2009 8:50 AM	Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Airport Trib mouth				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Oil&Grease	Oil & Grease	P556	< 2.0	2	mg/L	05/13/2009	
Solids_Diss	Total Dissolved Solids	P70300	780	10	mg/L	04/30/2009	
Solids_Susp	Total Suspended Solids	P530	5	5	mg/L	04/30/2009	
TOC	TOC	P680	67	2	mg/L	05/04/2009	
Ammonia	Ammonia	P610	0.378	0.05	mg/L	05/01/2009	
COD	COD	P340	188	20	mg/L	05/06/2009	
Nitrate	Nitrate+nitrite	P630	0.11	0.1	mg/L	05/01/2009	
TKN	TKN	P625	0.89	0.2	mg/L	05/01/2009	

Field Comments: Where flow slowed

Lab Comments:

QC / Sample Comments:

Approved By: VDESHMUKH On: 05/18/2009

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110823				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 8:50 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Airport Trib Mouth				

EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Benzene		000071-43-2	<0.50	0.5	04/28/2009	
Bromobenzene		000108-86-1	<0.50	0.5	04/28/2009	
Bromochloromethane		000074-97-5	<0.50	0.5	04/28/2009	
Bromodichloromethane		000075-27-4	<0.50	0.5	04/28/2009	
Bromoform		000075-25-2	<0.50	0.5	04/28/2009	
Bromomethane		000074-83-9	<0.50	0.5	04/28/2009	
n-Butylbenzene		000104-51-8	<0.50	0.5	04/28/2009	
sec-Butylbenzene		000135-98-8	<0.50	0.5	04/28/2009	
tert-Butylbenzene		000098-06-6	<0.50	0.5	04/28/2009	
Carbon tetrachloride		000056-23-5	<0.50	0.5	04/28/2009	
Chlorobenzene		000108-90-7	<0.50	0.5	04/28/2009	
Chloroethane		000075-00-3	<0.50	0.5	04/28/2009	
Chloroform		000067-66-3	1.29	0.5	04/28/2009	
Chloromethane		000074-87-3	<0.50	0.5	04/28/2009	
2-Chlorotoluene		000095-49-8	<0.50	0.5	04/28/2009	
4-Chlorotoluene		000106-43-4	<0.50	0.5	04/28/2009	
Dibromochloromethane		000124-48-1	<0.50	0.5	04/28/2009	
1,2-Dibromo-3-chloropropane		000096-12-8	<0.50	0.5	04/28/2009	
1,2-Dibromoethane		000106-93-4	<0.50	0.5	04/28/2009	
Dibromomethane		000074-95-3	<0.50	0.5	04/28/2009	
1,2-Dichlorobenzene		000095-50-1	<0.50	0.5	04/28/2009	
1,3-Dichlorobenzene		000541-73-1	<0.50	0.5	04/28/2009	
1,4-Dichlorobenzene		000106-46-7	<0.50	0.5	04/28/2009	
Dichlorodifluoromethane		000075-71-8	<0.50	0.5	04/28/2009	
1,1-Dichloroethane		000075-34-3	<0.50	0.5	04/28/2009	
1,2-Dichloroethane		000107-06-2	<0.50	0.5	04/28/2009	
1,1-Dichloroethene		000075-35-4	<0.50	0.5	04/28/2009	
cis-1,2-Dichloroethene		000156-59-2	<0.50	0.5	04/28/2009	
trans-1,2-Dichloroethene		000156-60-5	<0.50	0.5	04/28/2009	
1,2-Dichloropropane		000078-87-5	<0.50	0.5	04/28/2009	
1,3-Dichloropropane		000142-28-9	<0.50	0.5	04/28/2009	
2,2-Dichloropropane		000594-20-7	<0.50	0.5	04/28/2009	
1,1-Dichloropropene		000563-58-6	<0.50	0.5	04/28/2009	
cis-1,3-Dichloropropene		010061-01-5	<0.50	0.5	04/28/2009	
trans-1,3-Dichloropropene		010061-02-6	<0.50	0.5	04/28/2009	
Ethylbenzene		000100-41-4	<0.50	0.5	04/28/2009	
Hexachlorobutadiene		000087-68-3	<0.50	0.5	04/28/2009	
Isopropylbenzene		000098-82-8	<0.50	0.5	04/28/2009	
4-Isopropyltoluene		000099-87-6	<0.50	0.5	04/28/2009	
Methylene chloride		000075-09-2	<0.50	0.5	04/28/2009	
Naphthalene		000091-20-3	<0.50	0.5	04/28/2009	
n-Propylbenzene		000103-65-1	<0.50	0.5	04/28/2009	
Styrene		000100-42-5	<0.50	0.5	04/28/2009	
1,1,1,2-Tetrachloroethane		000630-20-6	<0.50	0.5	04/28/2009	
1,1,2,2-Tetrachloroethane		000079-34-5	<0.50	0.5	04/28/2009	
Tetrachloroethene		000127-18-4	<0.50	0.5	04/28/2009	
Toluene		000108-88-3	<0.50	0.5	04/28/2009	
1,2,3-Trichlorobenzene		000087-61-6	<0.50	0.5	04/28/2009	
1,2,4-Trichlorobenzene		000120-82-1	<0.50	0.5	04/28/2009	
1,1,1-Trichloroethane		000071-55-6	<0.50	0.5	04/28/2009	
1,1,2-Trichloroethane		000079-00-5	<0.50	0.5	04/28/2009	

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110823				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 8:50 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	Airport Trib Mouth				

EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Trichloroethene		000079-01-6	<0.50	0.5	04/28/2009	
Trichlorofluoromethane		000075-69-4	<0.50	0.5	04/28/2009	
1,2,3-Trichloropropane		000096-18-4	<0.50	0.5	04/28/2009	
1,2,4-Trimethylbenzene		000095-63-6	<0.50	0.5	04/28/2009	
1,3,5-Trimethylbenzene		000108-67-8	<0.50	0.5	04/28/2009	
Vinyl chloride		000075-01-4	<0.50	0.5	04/28/2009	
o-Xylene		000095-47-6	<0.50	0.5	04/28/2009	
Total m&p-xylenes		000108-38-3	<0.50	0.5	04/28/2009	

Field Comments: Where flow slowed VOC vial failed septum

Lab Comments: 1 VOC vial NP

QC / Sample Comments

Approved By: SROBERTS On: 05/11/2009

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample 110821

Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected			04/27/2009 9:25 AM	Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	BWC Dst Airport Mix				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Oil&Grease	Oil & Grease	P556	<2.0	2	mg/L	05/13/2009	
Solids_Diss	Total Dissolved Solids	P70300	460	10	mg/L	04/30/2009	
Solids_Susp	Total Suspended Solids	P530	8	5	mg/L	04/30/2009	
TOC	TOC	P680	21	2	mg/L	05/04/2009	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	05/01/2009	
COD	COD	P340	59	20	mg/L	05/06/2009	
Nitrate	Nitrate+nitrite	P630	0.86	0.1	mg/L	05/01/2009	
TKN	TKN	P625	0.56	0.2	mg/L	05/01/2009	

Field Comments: Mix zone Ust flow from BWC

Lab Comments:

QC / Sample Comments:

Approved By: VDESHMUKH On: 05/18/2009

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110824				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 9:25 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	BWC Dst Airport Mix				

EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Benzene		000071-43-2	<0.50	0.5	04/28/2009	
Bromobenzene		000108-86-1	<0.50	0.5	04/28/2009	
Bromochloromethane		000074-97-5	<0.50	0.5	04/28/2009	
Bromodichloromethane		000075-27-4	<0.50	0.5	04/28/2009	
Bromoform		000075-25-2	<0.50	0.5	04/28/2009	
Bromomethane		000074-83-9	<0.50	0.5	04/28/2009	
n-Butylbenzene		000104-51-8	<0.50	0.5	04/28/2009	
sec-Butylbenzene		000135-98-8	<0.50	0.5	04/28/2009	
tert-Butylbenzene		000098-06-6	<0.50	0.5	04/28/2009	
Carbon tetrachloride		000056-23-5	<0.50	0.5	04/28/2009	
Chlorobenzene		000108-90-7	<0.50	0.5	04/28/2009	
Chloroethane		000075-00-3	<0.50	0.5	04/28/2009	
Chloroform		000067-66-3	1.05	0.5	04/28/2009	
Chloromethane		000074-87-3	<0.50	0.5	04/28/2009	
2-Chlorotoluene		000095-49-8	<0.50	0.5	04/28/2009	
4-Chlorotoluene		000106-43-4	<0.50	0.5	04/28/2009	
Dibromochloromethane		000124-48-1	<0.50	0.5	04/28/2009	
1,2-Dibromo-3-chloropropane		000096-12-8	<0.50	0.5	04/28/2009	
1,2-Dibromoethane		000106-93-4	<0.50	0.5	04/28/2009	
Dibromomethane		000074-95-3	<0.50	0.5	04/28/2009	
1,2-Dichlorobenzene		000095-50-1	<0.50	0.5	04/28/2009	
1,3-Dichlorobenzene		000541-73-1	<0.50	0.5	04/28/2009	
1,4-Dichlorobenzene		000106-46-7	<0.50	0.5	04/28/2009	
Dichlorodifluoromethane		000075-71-8	<0.50	0.5	04/28/2009	
1,1-Dichloroethane		000075-34-3	<0.50	0.5	04/28/2009	
1,2-Dichloroethane		000107-06-2	<0.50	0.5	04/28/2009	
1,1-Dichloroethene		000075-35-4	<0.50	0.5	04/28/2009	
cis-1,2-Dichloroethene		000156-59-2	<0.50	0.5	04/28/2009	
trans-1,2-Dichloroethene		000156-60-5	<0.50	0.5	04/28/2009	
1,2-Dichloropropane		000078-87-5	<0.50	0.5	04/28/2009	
1,3-Dichloropropane		000142-28-9	<0.50	0.5	04/28/2009	
2,2-Dichloropropane		000594-20-7	<0.50	0.5	04/28/2009	
1,1-Dichloropropene		000563-58-6	<0.50	0.5	04/28/2009	
cis-1,3-Dichloropropene		010061-01-5	<0.50	0.5	04/28/2009	
trans-1,3-Dichloropropene		010061-02-6	<0.50	0.5	04/28/2009	
Ethylbenzene		000100-41-4	<0.50	0.5	04/28/2009	
Hexachlorobutadiene		000087-68-3	<0.50	0.5	04/28/2009	
Isopropylbenzene		000098-82-8	<0.50	0.5	04/28/2009	
4-Isopropyltoluene		000099-87-6	<0.50	0.5	04/28/2009	
Methylene chloride		000075-09-2	<0.50	0.5	04/28/2009	
Naphthalene		000091-20-3	<0.50	0.5	04/28/2009	
n-Propylbenzene		000103-65-1	<0.50	0.5	04/28/2009	
Styrene		000100-42-5	<0.50	0.5	04/28/2009	
1,1,1,2-Tetrachloroethane		000630-20-6	<0.50	0.5	04/28/2009	
1,1,2,2-Tetrachloroethane		000079-34-5	<0.50	0.5	04/28/2009	
Tetrachloroethene		000127-18-4	<0.50	0.5	04/28/2009	
Toluene		000108-88-3	1.75	0.5	04/28/2009	
1,2,3-Trichlorobenzene		000087-61-6	<0.50	0.5	04/28/2009	
1,2,4-Trichlorobenzene		000120-82-1	<0.50	0.5	04/28/2009	
1,1,1-Trichloroethane		000071-55-6	<0.50	0.5	04/28/2009	
1,1,2-Trichloroethane		000079-00-5	<0.50	0.5	04/28/2009	

OhioEPA Division of Environmental Services

Laboratory Organic Analysis Data Report

Sample	110824				
Date Received	04/27/2009 10:56 AM	Matrix	WW	Collected by	VANDERMEER, PAUL
	Begin	End		Sample Type	COMPLAINT
Date Collected		04/27/2009 9:25 AM		Station ID	
Program	CDO-DSW			Customer ID	PLV0427
Client	DSW_C			External ID	
OEPA Division	DSW				
Location	BWC Dst Airport Mix				

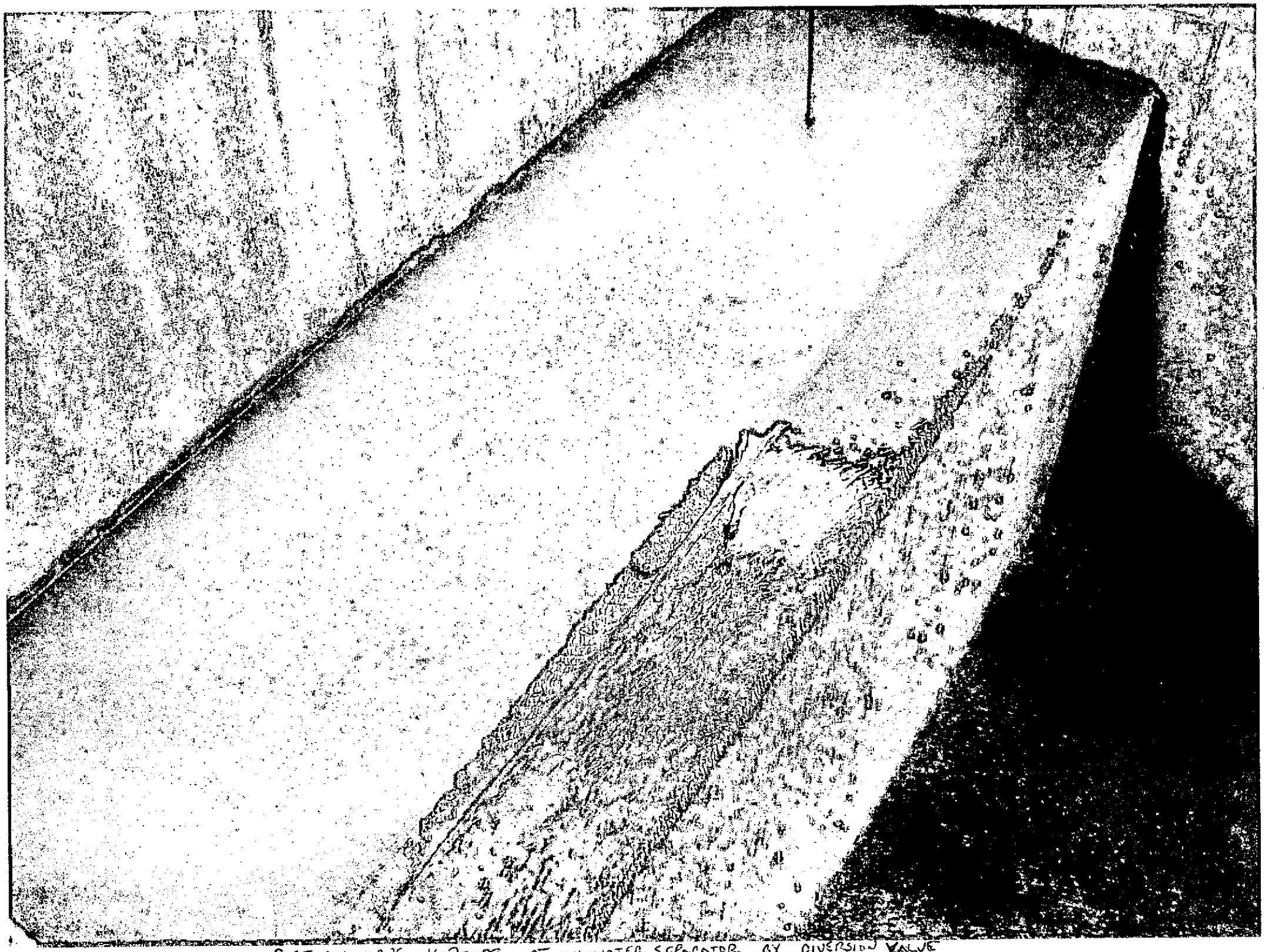
EPA Method Parameter	Units	Cas Number	Result	RL	Analyzed	Qualifier
USEPA 624	ug/L					
Trichloroethene		000079-01-6	<0.50	0.5	04/28/2009	
Trichlorofluoromethane		000075-69-4	<0.50	0.5	04/28/2009	
1,2,3-Trichloropropane		000096-18-4	<0.50	0.5	04/28/2009	
1,2,4-Trimethylbenzene		000095-63-6	<0.50	0.5	04/28/2009	
1,3,5-Trimethylbenzene		000108-67-8	<0.50	0.5	04/28/2009	
Vinyl chloride		000075-01-4	<0.50	0.5	04/28/2009	
o-Xylene		000095-47-6	<0.50	0.5	04/28/2009	
Total m&p-xylenes		000108-38-3	<0.50	0.5	04/28/2009	

Field Comments: Mix zone ust flow from BWC

Lab Comments:

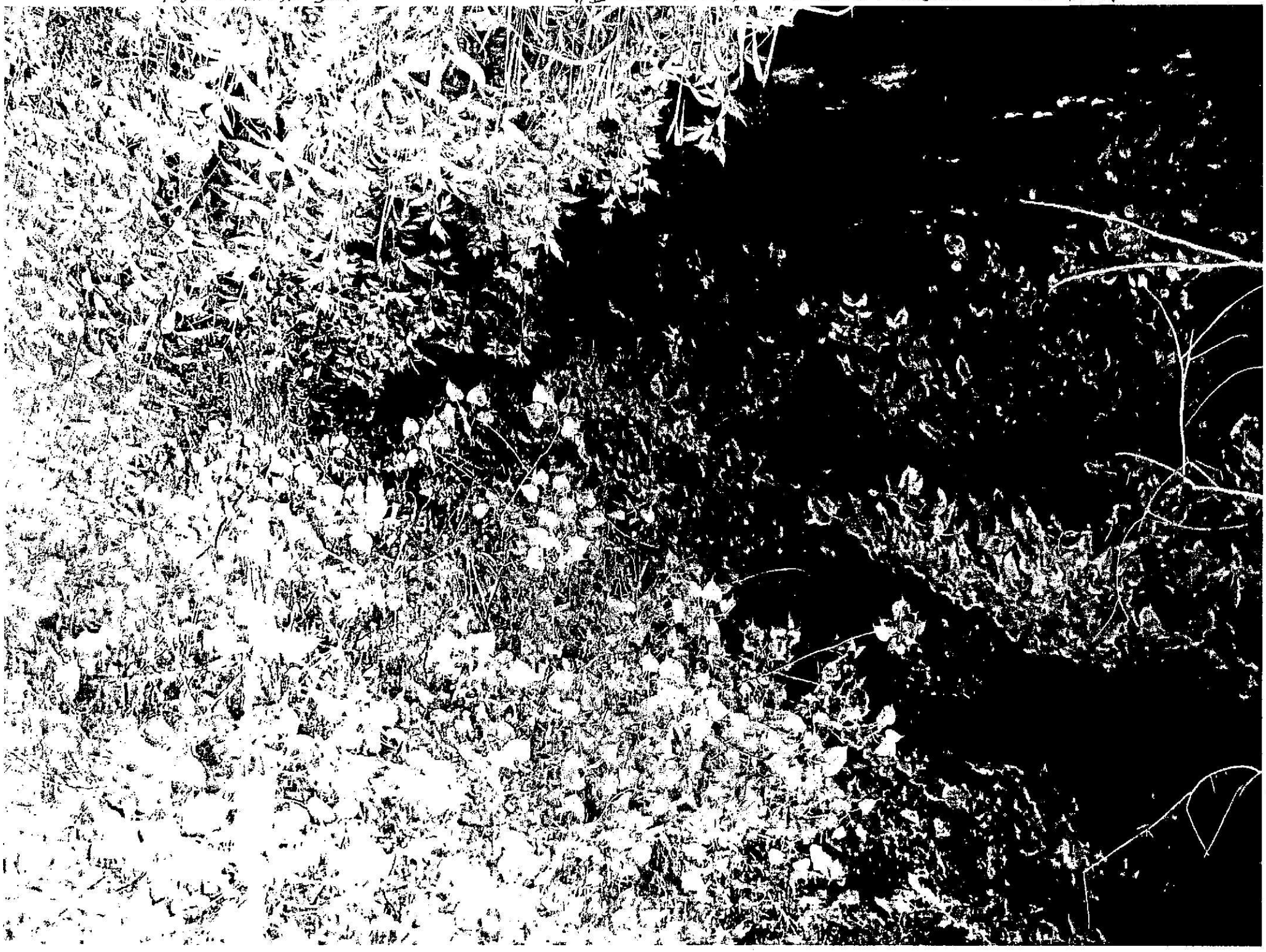
QC / Sample Comments:

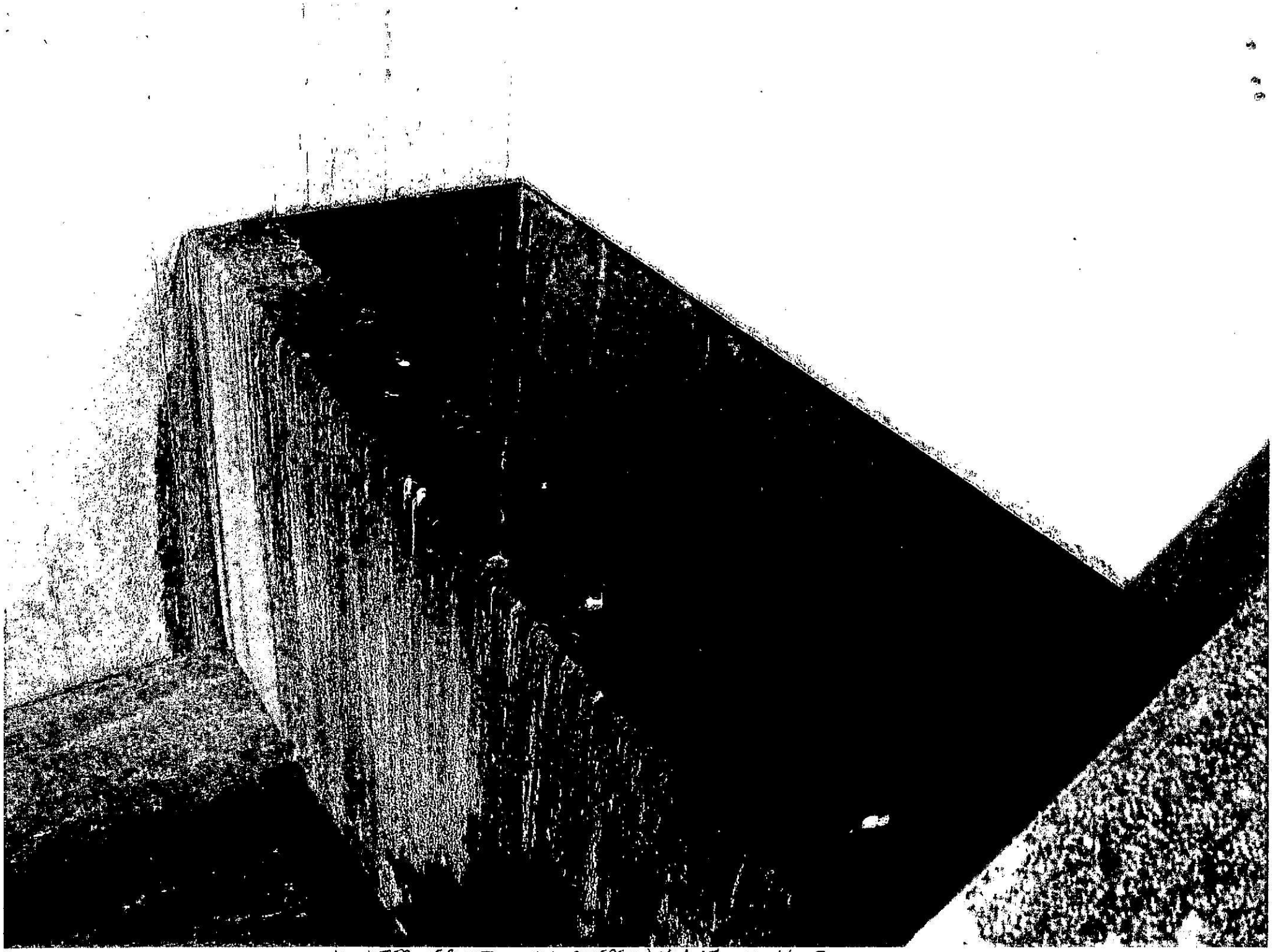
Approved By: SROBERTS On: 05/11/2009



PORT COLUMBUS 4-20-09 AT OIL-WATER SEPARATOR BY DIVERSION VALVE

[illegible] FUNGAL GROWTH 4-27-09 STREAM ABOVE [illegible] SAMPLING POINT (AFTER OIL-WATER SEPARATOR)





OIL-WATER SEPARATOR AV DIVERSION VALVE 7-16-09