KSA Environmental Laboratory Inc.

June 29, 2007

Miami Dade Water/Sewer (Goulds)

Attn: Clive Powell

8950 SW 232nd Street

Miami, FL 33190

RE: Annual Plant Sampling
KSA Workorder: Q001359

Dear Clive Powell,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on 02/22/07 13:20.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards. This report shall not be reproduced except in full, without the written approval of the Laboratory.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Paul K. Canevaro

V.P. Technical Services

Enclosure(s)

CASE NARRATIVE

KSA Work Order #: Q001359
Project Name: APS

I. Sample Receiving Notes

All samples listed on the Chain of Custody identified with KSA Work Order # Q001359 were received with containers intact, correctly preserved, and at the proper temperature for the requested analyses.

II. Analytical Data Notes

The analyses were performed in accordance with KSA Environmental Laboratory SOP's and industry-standard methodologies in compliance with FDEP/NELAC criteria. There were no notable problems encountered in the analytical process.

Analysis by methods 549.2, 548.1, 547, 531.1, 525.2, 515.3, and 508.1 were subcontracted to Southern Analytical. Certification Number E84129.
Total Phenols and Sb, As, Pb, Se, Tl analysis were subcontracted to FL Environmental. Certification Number E86006.
Radiological anlaysis was subcontracted to Florida Radiochemistry. Certification Number E83033.

III. Quality Control Notes

EPA 608: The LCS for batch 7020651 recovered high for Aldrin and Dieldrin; however, the LCSD as well as the LCS/LCSD RPD were within control limits. Since the target analytes were below MDL and the high recovery would yield a high bias, no further corrective action was necessary.

EPA 410.4: The MS and MSD for batch 7020745 recovered low for COD; however, the LCS and LCSD recovered within acceptable criteria. Sample Combined Effluent was used to prepare the matrix spikes and may be biased low for this analyte. The parent sample is flagged with the FDEP "J" qualifier.

SAMPLE SUMMARY

	Client ID	Matrix	Sampled	Received
Q001359-01	Combined Effluent	Wastewater	02/22/07 10:17	02/22/07 13:20

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Primary DW Volatiles by EPA 524.2

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
1,1,1-Trichloroethane	0.22 ug/L	U	1	0.22	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,1,1-Trichloroethane	0.18 ug/L	U	1	0.18	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,1,2,2-Tetrachloroethane	0.36 ug/L	U	1	0.36	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,1,2-Trichloroethane	0.36 ug/L	U	1	0.36	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,1,2-Trichloroethane	0.30 ug/L	U	1	0.30	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,1-Dichloroethane	0.31 ug/L	U	1	0.31	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,1-Dichloroethene	0.25 ug/L	U	1	0.25	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,1-Dichloroethene	0.25 ug/L	U	1	0.25	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,2,4-Trichlorobenzene	0.29 ug/L	U	1	0.29	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,2-Dichlorobenzene	0.28 ug/L	U	1	0.28	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,2-Dichloroethane	0.23 ug/L	U	1	0.23	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,2-Dichloroethane	0.29 ug/L	U	1	0.29	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,2-Dichloropropane	0.41 ug/L	U	1	0.41	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
1,2-Dichloropropane	0.25 ug/L	U	1	0.25	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
1,4-Dichlorobenzene	0.97 ug/L		1	0.28	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
2-Chloroethylvinyl ether	2.2 ug/L	U	1	2.2	5.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Acrolein	2.0 ug/L	U	1	2.0	10	624	02/27/07 9:05	02/27/07 14:00	7020758
Acrylonitrile	5.2 ug/L	U	1	5.2	10	624	02/27/07 9:05	02/27/07 14:00	7020758
Benzene	0.36 ug/L	U	1	0.36	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Benzene	0.30 ug/L	U	1	0.30	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Bromodichloromethane	0.26 ug/L	U	1	0.26	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Bromoform	0.41 ug/L	U	1	0.41	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Bromomethane	0.77 ug/L	U	1	0.77	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Carbon tetrachloride	0.15 ug/L	U	1	0.15	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Carbon Tetrachloride	0.24 ug/L	U	1	0.24	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Chlorobenzene	0.27 ug/L	U	1	0.27	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Chlorobenzene	0.23 ug/L	U	1	0.23	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Chlorodibromomethane	0.30 ug/L	U	1	0.30	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Chloroethane	0.66 ug/L	U	1	0.66	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Chloroform	2.3 ug/L		1	0.30	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Chloromethane	0.72 ug/L	U	1	0.72	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
cis-1,2-Dichloroethene	0.32 ug/L		1	0.24	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
cis-1,3-Dichloropropene	0.32 ug/L	U	1	0.32	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Ethylbenzene	0.32 ug/L	U	1	0.32	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Ethylbenzene	0.33 ug/L	U	1	0.33	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Methylene chloride	0.42 ug/L	U	1	0.42	1.0	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Methylene chloride	0.42 ug/L	U	1	0.42	5.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Styrene	0.27 ug/L	U	1	0.27	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Tetrachloroethene	2.0 ug/L		1	0.34	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Tetrachloroethene	1.6 ug/L		1	0.37	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Priority Pollutant Volatiles by EPA 624

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Toluene	0.31 ug/L	U	1	0.31	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Toluene	0.41 ug/L	U	1	0.41	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
trans-1,2-Dichloroethene	0.31 ug/L	U	1	0.31	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
trans-1,2-Dichloroethene	0.38 ug/L	U	1	0.38	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
trans-1,3-Dichloropropene	0.34 ug/L	U	1	0.34	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Trichloroethene	0.53 ug/L	I	1	0.42	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Trichloroethene	0.38 ug/L		1	0.24	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Vinyl chloride	0.38 ug/L	U	1	0.38	0.50	524.2	03/02/07 13:41	03/02/07 20:30	7030046
Vinyl chloride	0.31 ug/L	U	1	0.31	1.0	624	02/27/07 9:05	02/27/07 14:00	7020758
Xylenes, Total	0.98 ug/L	U	1	0.98	1.5	524.2	03/02/07 13:41	03/02/07 20:30	7030046

Surrogate Recovery	% Recovery	% Recovery Limits	
1,2-Dichlorobenzene-d4	86.8 %	0-200	7030046
1,2-Dichloroethane-d4	112 %	72-136	7020758
4-Bromofluorobenzene	83.2 %	80-120	7030046
4-Bromofluorobenzene	97.2 %	79-117	7020758
Dibromofluoromethane	117 %	77-131	7020758
Toluene-d8	98.2 %	78-125	7020758

Semivolatiles by GC/MS

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
1,2-Dichlorobenzene	1.4 ug/L	U	1	1.4	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
1,3-Dichlorobenzene	1.4 ug/L	U	1	1.4	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
1,4-Dichlorobenzene	1.5 ug/L	U	1	1.5	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
2,4,6-Trichlorophenol	1.5 ug/L	U	1	1.5	1.9	625	02/23/07 9:11	02/26/07 22:13	7020639
2,4-Dinitrotoluene	1.2 ug/L	U	1	1.2	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
2,6-Dinitrotoluene	1.2 ug/L	U	1	1.2	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
2-Chloronaphthalene	1.8 ug/L	U	1	1.8	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
2-Chlorophenol	1.4 ug/L	U	1	1.4	1.9	625	02/23/07 9:11	02/26/07 22:13	7020639
3,3'-Dichlorobenzidine	1.1 ug/L	U	1	1.1	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
4-Bromophenyl phenyl ether	2.2 ug/L	U	1	2.2	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
4-Chlorophenyl phenyl ether	1.6 ug/L	U	1	1.6	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Acenaphthene	0.034 ug/L	U	1	0.034	0.94	625	02/23/07 9:11	02/26/07 22:13	7020639
Acenaphthylene	0.081 ug/L	U	1	0.081	0.94	625	02/23/07 9:11	02/26/07 22:13	7020639
Anthracene	0.033 ug/L	U	1	0.033	0.28	625	02/23/07 9:11	02/26/07 22:13	7020639
Benzo (a) anthracene	0.034 ug/L	U	1	0.034	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639
Benzo (a) pyrene	0.054 ug/L	U	1	0.054	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639
Benzo (g,h,i) perylene	0.034 ug/L	U	1	0.034	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639
Benzo (k) fluoranthene	0.071 ug/L	U	1	0.071	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Semivolatiles by GC/MS

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Bis(2-chloroethoxy)methane	1.7 ug/L	U	1	1.7	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Bis(2-chloroethyl)ether	2.3 ug/L	U	1	2.3	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Bis(2-chloroisopropyl)ether	1.5 ug/L	U	1	1.5	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Butyl benzyl phthalate	1.9 ug/L	U	1	1.9	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Chrysene	0.076 ug/L	U	1	0.076	0.94	625	02/23/07 9:11	02/26/07 22:13	7020639
Dibenz (a,h) anthracene	0.11 ug/L	U	1	0.11	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639
Diethyl phthalate	1.4 ug/L	U	1	1.4	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Dimethyl phthalate	1.6 ug/L	U	1	1.6	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Di-n-butyl phthalate	1.2 ug/L	U	1	1.2	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Di-n-octyl phthalate	1.4 ug/L	U	1	1.4	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Fluoranthene	0.020 ug/L	U	1	0.020	0.28	625	02/23/07 9:11	02/26/07 22:13	7020639
Fluorene	0.093 ug/L		1	0.066	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Hexachlorobenzene	2.5 ug/L	U	1	2.5	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Hexachlorobutadiene	1.7 ug/L	U	1	1.7	4.7	625	02/23/07 9:11	02/26/07 22:13	7020639
Naphthalene	0.053 ug/L	U	1	0.053	9.4	625	02/23/07 9:11	02/26/07 22:13	7020639
Phenanthrene	0.080 ug/L	U	1	0.080	0.19	625	02/23/07 9:11	02/26/07 22:13	7020639
Phenol	1.8 ug/L	U	1	1.8	1.9	625	02/23/07 9:11	02/26/07 22:13	7020639

Surrogate Recovery	% Recovery	% Recovery Limits	
2,4,6-Tribromophenol	33.2 %	31-139	7020639
2-Fluorobiphenyl	46.0 %	43-119	7020639
2-Fluorophenol	27.4 %	19-108	7020639
Nitrobenzene-d5	50.6 %	33-120	7020639
Phenol-d5	13.2 %	10-117	7020639
Terphenyl-d14	56.8 %	37-129	7020639

Semivolatiles by GC

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
1,2-Dibromo-3-chloropropane	0.0036 ug/L	U	1	0.0036	0.040	504.1	03/06/07 9:08	03/06/07 14:38	7030126
1,2-Dibromoethane (EDB)	0.0053 ug/L	U	1	0.0053	0.020	504.1	03/06/07 9:08	03/06/07 14:38	7030126
4,4'-DDD	0.0020 ug/L	U	1	0.0020	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
4,4'-DDE	0.0038 ug/L	U	1	0.0038	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
4,4'-DDT	0.0031 ug/L	U	1	0.0031	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
Aldrin	0.0040 ug/L	U	1	0.0040	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
alpha-BHC	0.0037 ug/L	U	1	0.0037	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
beta-BHC	0.0040 ug/L	U	1	0.0040	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
Chlordane (tech)	0.16 ug/L	U	1	0.16	0.23	608	02/23/07 11:41	03/05/07 4:31	7020651
delta-BHC	0.0039 ug/L	U	1	0.0039	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
Dieldrin	0.0028 ug/L	U	1	0.0028	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Semivolatiles by GC

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Endosulfan I	0.0028 ug/L	U	1	0.0028	0.0056	608	02/23/07 11:41	03/05/07 4:31	7020651
Endosulfan II	0.0013 ug/L	U	1	0.0013	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
Endosulfan sulfate	0.0071 ug/L	U	1	0.0071	0.0093	608	02/23/07 11:41	03/05/07 4:31	7020651
Endrin	0.014 ug/L	U	1	0.014	0.093	608	02/23/07 11:41	03/05/07 4:31	7020651
Endrin aldehyde	0.0035 ug/L	U	1	0.0035	0.0046	608	02/23/07 11:41	03/05/07 4:31	7020651
gamma-BHC (Lindane)	0.013 ug/L	U	1	0.013	0.093	608	02/23/07 11:41	03/05/07 4:31	7020651
Heptachlor	0.0096 ug/L	U	1	0.0096	0.093	608	02/23/07 11:41	03/05/07 4:31	7020651
Heptachlor epoxide	0.016 ug/L	U	1	0.016	0.093	608	02/23/07 11:41	03/05/07 4:31	7020651
Toxaphene	0.44 ug/L	U	1	0.44	0.46	608	02/23/07 11:41	03/05/07 4:31	7020651

Surrogate Recovery	% Recovery	% Recovery Limits	
1,1,1,2-Tetrachloroethane	114 %	64-125	7030126
Decachlorobiphenyl	61.9 %	41-129	7020651
Tetrachloro-meta-xylene	80.5 %	42-129	7020651

Metals

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Aluminum, Total	0.083 mg/L	V, I	1	0.035	0.20	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Barium, Total	0.0074 mg/L	I	1	0.00098	0.050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Beryllium, Total	0.0018 mg/L	U	1	0.0018	0.0040	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Cadmium, Total	0.0021 mg/L	U	1	0.0021	0.0050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Chromium, Total	0.0025 mg/L	U	1	0.0025	0.0050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Copper, Total	0.0060 mg/L	U	1	0.0060	0.010	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Iron, Total	0.14 mg/L		1	0.029	0.050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Manganese, Total	0.012 mg/L		1	0.0034	0.0050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Mercury, Total	0.000060 mg/L	V, I	1	0.000060	0.00020	245.1	02/22/07 20:19	02/23/07 15:33	7020629
Nickel, Total	0.0059 mg/L	U	1	0.0059	0.010	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Silver, Total	0.00088 mg/L	U	1	0.00088	0.0050	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Sodium, Total	71 mg/L		1	0.35	1.0	200.7	02/22/07 20:26	02/23/07 17:13	7020630
Zinc, Total	0.015 mg/L	I	1	0.0042	0.020	200.7	02/22/07 20:26	02/23/07 17:13	7020630

Wet Chemistry

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
BOD	9.0 mg/L		1	1.0	2.0	5210B	02/23/07 14:30	02/23/07 14:30	7020797
Chloride	100 mg/L		1	0.20	0.40	300.0	02/23/07 18:00	02/23/07 18:00	7020699
COD	73 mg/L	J	1	8.4	10	410.4	02/26/07 12:40	02/26/07 12:40	7020745
Color	50 cu		1	2.5	2.5	110.2	02/23/07 10:00	02/23/07 10:00	7020647

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Wet Chemistry

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Conductivity	857 umhos/cm		1	0.00	0.00	120.1	02/27/07 15:00	02/27/07 15:00	7020764
Cyanide, Total	0.026 mg/L		1	0.0040	0.0050	335.4	02/23/07 11:30	02/25/07 13:40	7020687
Fluoride	0.28 mg/L		1	0.054	0.20	300.0	02/27/07 9:15	02/27/07 9:15	7020746
MBAS	0.11 mg/L		1	0.043	0.075	SM 5540- C	02/23/07 15:00	02/23/07 15:00	7020685
Nitrogen, Ammonia (as N)	23 mg/L		20	0.29	0.40	350.1	02/23/07 13:14	02/23/07 16:16	7020657
Nitrogen, Kjeldahl, Total	31 mg/L		50	4.5	12	351.2	02/28/07 10:13	02/28/07 18:20	7030006
Nitrogen, Nitrate (as N)	0.37 mg/L	I	1	0.062	0.50	300.0	02/23/07 18:00	02/23/07 18:00	7020699
Nitrogen, Nitrite (as N)	1.6 mg/L		1	0.021	0.50	300.0	02/23/07 14:00	02/23/07 14:00	7020810
Nitrogen, Organic	8.0 mg/L	I	50	4.5	12	Calc	02/28/07 10:13	02/28/07 18:20	[CALC]
Odor	0.0 t.o.n.	U	1	0.0	0.0	140.1	02/23/07 10:00	02/23/07 10:00	7020701
pH	6.92 s.u.		1	0.00	0.00	4500- H,B	02/23/07 15:00	02/23/07 15:00	7020672
Phosphorus, Total	2.7 mg/L	V	1	0.047	0.10	365.4	02/23/07 7:30	02/26/07 15:38	7020715
Solids, Total Dissolved	450 mg/L		1	8.9	10	2540- C	02/26/07 16:30	02/26/07 16:30	7020737
Sulfate	28 mg/L		1	0.14	1.0	300.0	02/23/07 18:00	02/23/07 18:00	7020699

Subcontract Data

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Carbofuran	0.5 ug/L	U	1	0.5		531.1			
Oxamyl	0.5 ug/L	U	1	0.5		531.1			

Subcontract Data - 508.1

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Chlordane	0.05 ug/L	U	1	0.05		508.1	03/01/07 10:00	03/07/07 21:42	
PCB 1016	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1221	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1232	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1242	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1248	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1254	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
PCB 1260	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
Total PCBs	0.2 ug/L	U	1	0.2		508.1	03/01/07 10:00	03/02/07 5:36	
Toxaphene	0.5 ug/L	U	1	0.5		508.1	03/01/07 10:00	03/07/07 21:42	

Subcontract Data - 515.3

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
2,4,5-TP (Silvex)	0.25 ug/L	U	1	0.25		515.3	02/27/07 9:30	02/28/07 16:28	

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Subcontract Data - 515.3

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
2,4-D	1 ug/L	U	1	1		515.3	02/27/07 9:30	02/28/07 16:28	
Dalapon	1 ug/L	U	1	1		515.3	02/27/07 9:30	02/28/07 16:28	
Dinoseb	0.5 ug/L	U	1	0.5		515.3	02/27/07 9:30	02/28/07 16:28	
Pentachlorophenol	0.1 ug/L	U	1	0.1		515.3	02/27/07 9:30	02/28/07 16:28	
Picloram	0.75 ug/L	U	1	0.75		515.3	02/27/07 9:30	02/28/07 16:28	

Subcontract Data - 525.2

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Alachlor	0.2 ug/L	U	1	0.2		525.2	03/01/07 10:00	03/02/07 5:36	
Atrazine	0.06 ug/L	U	1	0.06		525.2	03/01/07 10:00	03/02/07 5:36	
Benzo (a) pyrene	0.1 ug/L	U	1	0.1		525.2	03/01/07 10:00	03/02/07 5:36	
Di(2-ethylhexyl)adipate	0.3 ug/L	U	1	0.3		525.2	03/01/07 10:00	03/02/07 5:36	
Di(2-ethylhexyl)phthalate	ug/L	U	1	ND		525.2	03/01/07 10:00	03/02/07 5:36	
Endrin	0.1 ug/L	U	1	0.1		525.2	03/01/07 10:00	03/02/07 5:36	
gamma-BHC	0.06 ug/L	U	1	0.06		525.2	03/01/07 10:00	03/02/07 5:36	
Heptachlor	0.08 ug/L	U	1	0.08		525.2	03/01/07 10:00	03/02/07 5:36	
Heptachlor epoxide	0.1 ug/L	U	1	0.1		525.2	03/01/07 10:00	03/02/07 5:36	
Hexachlorobenzene	0.05 ug/L	U	1	0.05		525.2	03/01/07 10:00	03/02/07 5:36	
Hexachlorocyclopentadiene	0.2 ug/L	U	1	0.2		525.2	03/01/07 10:00	03/02/07 5:36	
Methoxychlor	0.05 ug/L	U	1	0.05		525.2	03/01/07 10:00	03/02/07 5:36	
Simazine	0.07 ug/L	U	1	0.07		525.2	03/01/07 10:00	03/02/07 5:36	

Subcontract Data - 547

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Glyphosate	10 ug/L	U	1	10		547		03/06/07 20:11	

Subcontract Data - 548.1

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Endothall	20 ug/L	U	1	20		548.1	03/01/07 10:00	03/06/07 17:53	

Subcontract Data - 549.2

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Diquat	1 ug/L	U	1	1		549.2	02/27/07 9:30	02/28/07 13:21	

ANALYTICAL REPORT

Sample ID:	Combined Effluent	Project:	Annual Plant Sampling
Lab #:	Q001359-01	Work Order #:	Q001359
Sampled:	02/22/07 10:17	Matrix:	Wastewater

Subcontract Data - 200.8

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Antimony	0.0004 mg/L	U	1	0.0004	0.0012	200.8	02/27/07 0:00	02/27/07 15:27	
Arsenic	0.0012 mg/L		1	0.00012	0.00036	200.8	02/27/07 0:00	02/27/07 15:27	
Lead	0.0011 mg/L		1	1e-005	3e-005	200.8	02/27/07 0:00	02/27/07 15:27	
Selenium	0.00030 mg/L	U	1	0.00030	0.00090	200.8	02/27/07 0:00	02/27/07 15:27	
Thallium	2e-005 mg/L	U	1	2e-005	6e-005	200.8	02/27/07 0:00	02/27/07 15:27	

Subcontract Data - 420.2

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Phenols, Total	0.031 mg/L	U	1	0.031	0.093	420.2	03/15/07 0:00	03/15/07 16:57	

Subcontract Data

Parameter	Analytical Results	Q	DF	MDL	PQL	Analysis Method	Prep Date/Time	Analysis Date/Time	Analytical Batch
Gross Alpha	1.5+/-1.1 pCi/L		1	1.3		900.0	03/01/07 0:00	03/02/07 0:00	
Radium-226	0.2+/-0.1 pCi/L		1	0.1		903.1	03/05/07 0:00	03/13/07 0:00	
Radium-228	0.8+/-0.5 pCi/L	U	1	0.8		Ra-05	03/05/07 0:00	03/13/07 0:00	

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Priority Pollutant Volatiles by EPA 624 - Quality Control									
Blank (7020758-BLK1)					Prepared & Analyzed: 27-Feb-07				
1,1,1-Trichloroethane	0.18	U	0.18	1.0	ug/L				
1,1,2,2-Tetrachloroethane	0.36	U	0.36	1.0	ug/L				
1,1,2-Trichloroethane	0.36	U	0.36	1.0	ug/L				
1,1-Dichloroethane	0.31	U	0.31	1.0	ug/L				
1,1-Dichloroethene	0.25	U	0.25	1.0	ug/L				
1,2-Dichloroethane	0.29	U	0.29	1.0	ug/L				
1,2-Dichloropropane	0.41	U	0.41	1.0	ug/L				
2-Chloroethylvinyl ether	2.2	U	2.2	5.0	ug/L				
Acrolein	2.0	U	2.0	10	ug/L				
Acrylonitrile	5.2	U	5.2	10	ug/L				
Benzene	0.36	U	0.36	1.0	ug/L				
Bromodichloromethane	0.26	U	0.26	1.0	ug/L				
Bromoform	0.41	U	0.41	1.0	ug/L				
Bromomethane	0.77	U	0.77	1.0	ug/L				
Carbon tetrachloride	0.15	U	0.15	1.0	ug/L				
Chlorobenzene	0.23	U	0.23	1.0	ug/L				
Chlorodibromomethane	0.30	U	0.30	1.0	ug/L				
Chloroethane	0.66	U	0.66	1.0	ug/L				
Chloroform	0.30	U	0.30	1.0	ug/L				
Chloromethane	0.72	U	0.72	1.0	ug/L				
cis-1,3-Dichloropropene	0.32	U	0.32	1.0	ug/L				
Ethylbenzene	0.33	U	0.33	1.0	ug/L				
Methylene chloride	0.42	U	0.42	5.0	ug/L				
Tetrachloroethene	0.34	U	0.34	1.0	ug/L				
Toluene	0.31	U	0.31	1.0	ug/L				
trans-1,2-Dichloroethene	0.38	U	0.38	1.0	ug/L				
trans-1,3-Dichloropropene	0.34	U	0.34	1.0	ug/L				
Trichloroethene	0.42	U	0.42	1.0	ug/L				
Vinyl chloride	0.31	U	0.31	1.0	ug/L				
Surrogate: 1,2-Dichloroethane-d4						*120*	*72-136*		
Surrogate: 4-Bromofluorobenzene						*96.5*	*79-117*		
Surrogate: Dibromofluoromethane						*130*	*77-131*		
Surrogate: Toluene-d8						*111*	*78-125*		

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Priority Pollutant Volatiles by EPA 624 - Quality Control								
LCS (7020758-BS1)					Prepared & Analyzed: 27-Feb-07			
1,1,1-Trichloroethane					102	79-133		
1,1,2,2-Tetrachloroethane					96.5	78-127		
1,1,2-Trichloroethane					95.0	77-123		
1,1-Dichloroethane					99.0	76-127		
1,1-Dichloroethene					99.5	73-142		
1,2-Dichloropropane					93.5	77-125		
Benzene					98.5	80-126		
Chlorobenzene					94.5	82-118		
Chloroform					106	78-126		
Ethylbenzene					94.0	83-122		
Tetrachloroethene					89.5	76-126		
Toluene					93.5	77-123		
trans-1,2-Dichloroethene					98.5	77-126		
Trichloroethene					92.5	79-126		
Vinyl chloride					87.5	67-127		
Surrogate: 1,2-Dichloroethane-d4					*99.0*	*72-136*		
Surrogate: 4-Bromofluorobenzene					*101*	*79-117*		
Surrogate: Dibromofluoromethane					*111*	*77-131*		
Surrogate: Toluene-d8					*99.2*	*78-125*		
Priority Pollutant Volatiles by EPA 624 - Quality Control								
LCS Dup (7020758-BSD1)					Prepared & Analyzed: 27-Feb-07			
1,1,1-Trichloroethane					104	79-133	1.94	20
1,1,2,2-Tetrachloroethane					98.5	78-127	2.05	20
1,1,2-Trichloroethane					99.0	77-123	4.12	20
1,1-Dichloroethane					102	76-127	2.99	20
1,1-Dichloroethene					101	73-142	1.50	20
1,2-Dichloropropane					96.5	77-125	3.16	20
Benzene					101	80-126	2.51	20
Chlorobenzene					96.5	82-118	2.09	20
Chloroform					109	78-126	2.79	20
Ethylbenzene					97.5	83-122	3.66	20
Tetrachloroethene					93.0	76-126	3.84	20
Toluene					96.5	77-123	3.16	20
trans-1,2-Dichloroethene					102	77-126	3.49	20
Trichloroethene					94.5	79-126	2.14	20
Vinyl chloride					89.5	67-127	2.26	20
Surrogate: 1,2-Dichloroethane-d4					*100*	*72-136*		
Surrogate: 4-Bromofluorobenzene					*101*	*79-117*		
Surrogate: Dibromofluoromethane					*109*	*77-131*		
Surrogate: Toluene-d8					*99.8*	*78-125*		

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit

Priority Pollutant Volatiles by EPA 624 - Quality Control

Matrix Spike (7020758-MS1) **Source: Q001382-01** Prepared & Analyzed: 27-Feb-07

1,1,1-Trichloroethane					138	70-130		
1,1,2,2-Tetrachloroethane					104	70-130		
1,1,2-Trichloroethane					114	70-130		
1,1-Dichloroethane					136	70-130		
1,1-Dichloroethene					140	70-130		
1,2-Dichloropropane					114	70-130		
Benzene					129	70-130		
Chlorobenzene					102	70-130		
Chloroform					146	70-130		
Ethylbenzene					108	70-130		
Tetrachloroethene					106	70-130		
Toluene					114	70-130		
trans-1,2-Dichloroethene					144	70-130		
Trichloroethene					110	70-130		
Vinyl chloride					114	70-130		
Surrogate: 1,2-Dichloroethane-d4					*128*	*72-136*		
Surrogate: 4-Bromofluorobenzene					*104*	*79-117*		
Surrogate: Dibromofluoromethane					*128*	*77-131*		
Surrogate: Toluene-d8					*109*	*78-125*		

Primary DW Volatiles by EPA 524.2 - Quality Control

Blank (7030046-BLK1) Prepared & Analyzed: 02-Mar-07

1,1,1-Trichloroethane	0.22	U	0.22	0.50	ug/L			
1,1,2-Trichloroethane	0.30	U	0.30	0.50	ug/L			
1,1-Dichloroethene	0.25	U	0.25	0.50	ug/L			
1,2,4-Trichlorobenzene	0.29	U	0.29	0.50	ug/L			
1,2-Dichlorobenzene	0.28	U	0.28	0.50	ug/L			
1,2-Dichloroethane	0.23	U	0.23	0.50	ug/L			
1,2-Dichloropropane	0.25	U	0.25	0.50	ug/L			
1,4-Dichlorobenzene	0.28	U	0.28	0.50	ug/L			
Benzene	0.30	U	0.30	0.50	ug/L			
Carbon Tetrachloride	0.24	U	0.24	0.50	ug/L			
Chlorobenzene	0.27	U	0.27	0.50	ug/L			
cis-1,2-Dichloroethene	0.24	U	0.24	0.50	ug/L			
Ethylbenzene	0.32	U	0.32	0.50	ug/L			
Methylene chloride	0.42	U	0.42	1.0	ug/L			
Styrene	0.27	U	0.27	0.50	ug/L			
Tetrachloroethene	0.37	U	0.37	0.50	ug/L			
Toluene	0.41	U	0.41	0.50	ug/L			
trans-1,2-Dichloroethene	0.31	U	0.31	0.50	ug/L			
Trichloroethene	0.24	U	0.24	0.50	ug/L			
Vinyl chloride	0.38	U	0.38	0.50	ug/L			
Xylenes, Total	0.98	U	0.98	1.5	ug/L			
Surrogate: 1,2-Dichlorobenzene-d4						*85.8*	*0-200*	
Surrogate: 4-Bromofluorobenzene						*84.5*	*80-120*	

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit

Primary DW Volatiles by EPA 524.2 - Quality Control

LCS (7030046-BS1) Prepared & Analyzed: 02-Mar-07

1,1,1-Trichloroethane						91.8	70-130		
1,1,2-Trichloroethane						93.2	70-130		
1,1-Dichloroethene						91.6	70-130		
1,2,4-Trichlorobenzene						79.6	70-130		
1,2-Dichlorobenzene						90.2	70-130		
1,2-Dichloroethane						90.2	70-130		
1,2-Dichloropropane						93.0	70-130		
1,4-Dichlorobenzene						89.6	70-130		
Benzene						92.6	70-130		
Carbon Tetrachloride						95.6	70-130		
Chlorobenzene						91.4	70-130		
cis-1,2-Dichloroethene						89.6	70-130		
Ethylbenzene						93.4	70-130		
Methylene chloride						90.2	70-130		
Styrene						93.4	70-130		
Tetrachloroethene						92.0	70-130		
Toluene						91.4	70-130		
trans-1,2-Dichloroethene						88.4	70-130		
Trichloroethene						89.6	70-130		
Vinyl chloride						84.6	70-130		
Xylenes, Total						94.7	70-130		
Surrogate: 1,2-Dichlorobenzene-d4						*91.2*	*0-200*		
Surrogate: 4-Bromofluorobenzene						*90.0*	*80-120*		

Semivolatiles by GC/MS - Quality Control

Blank (7020639-BLK1) Prepared: 23-Feb-07 Analyzed: 26-Feb-07

2,4,6-Trichlorophenol	1.5	U	1.5	2.0	ug/L				
2-Chlorophenol	1.5	U	1.5	2.0	ug/L				
Anthracene	0.035	U	0.035	0.30	ug/L				
Butyl benzyl phthalate	2.0	U	2.0	5.0	ug/L				
Dimethyl phthalate	1.7	U	1.7	5.0	ug/L				
Naphthalene	0.057	U	0.057	10	ug/L				
Phenanthrene	0.085	U	0.085	0.20	ug/L				
Phenol	2.0	U	2.0	2.0	ug/L				
Surrogate: 2,4,6-Tribromophenol						*59.3*	*31-139*		
Surrogate: 2-Fluorobiphenyl						*70.2*	*43-119*		
Surrogate: 2-Fluorophenol						*63.5*	*19-108*		
Surrogate: Nitrobenzene-d5						*75.2*	*33-120*		
Surrogate: Phenol-d5						*73.3*	*10-117*		
Surrogate: Terphenyl-d14						*75.4*	*37-129*		

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Semivolatiles by GC/MS - Quality Control									
LCS (7020639-BS1)						Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
2,4,6-Trichlorophenol						60.0	59-137		
2-Chlorophenol						74.0	57-118		
Anthracene						80.8	56-140		
Butyl benzyl phthalate						87.2	75-140		
Dimethyl phthalate						87.8	78-127		
Naphthalene						84.5	39-131		
Phenanthrene						81.0	51-142		
Phenol						79.0	27-126		
Surrogate: 2,4,6-Tribromophenol						*58.8*	*31-139*		
Surrogate: 2-Fluorobiphenyl						*61.2*	*43-119*		
Surrogate: 2-Fluorophenol						*72.0*	*19-108*		
Surrogate: Nitrobenzene-d5						*64.4*	*33-120*		
Surrogate: Phenol-d5						*69.9*	*10-117*		
Surrogate: Terphenyl-d14						*90.2*	*37-129*		
Semivolatiles by GC/MS - Quality Control									
LCS Dup (7020639-BSD1)						Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
2,4,6-Trichlorophenol						60.8	59-137	1.32	20
2-Chlorophenol						71.5	57-118	3.44	20
Anthracene						80.8	56-140	0.00	20
Butyl benzyl phthalate						94.2	75-140	7.72	20
Dimethyl phthalate						95.2	78-127	8.09	20
Naphthalene						81.5	39-131	3.61	20
Phenanthrene						81.0	51-142	0.00	20
Phenol						80.2	27-126	1.51	20
Surrogate: 2,4,6-Tribromophenol						*56.8*	*31-139*		
Surrogate: 2-Fluorobiphenyl						*58.4*	*43-119*		
Surrogate: 2-Fluorophenol						*49.7*	*19-108*		
Surrogate: Nitrobenzene-d5						*71.0*	*33-120*		
Surrogate: Phenol-d5						*23.2*	*10-117*		
Surrogate: Terphenyl-d14						*96.2*	*37-129*		
Semivolatiles by GC - Quality Control									
Blank (7020651-BLK1)						Prepared: 23-Feb-07 Analyzed: 04-Mar-07			
Aldrin	0.0043	U	0.0043	0.0050	ug/L				
Dieldrin	0.0030	U	0.0030	0.0050	ug/L				
Surrogate: Decachlorobiphenyl						*101*	*41-129*		
Surrogate: Tetrachloro-meta-xylene						*95.6*	*42-129*		
Semivolatiles by GC - Quality Control									
LCS (7020651-BS1)						Prepared: 23-Feb-07 Analyzed: 04-Mar-07			
Aldrin						127	56-120		
Dieldrin						138	51-133		
Surrogate: Decachlorobiphenyl						*72.8*	*41-129*		
Surrogate: Tetrachloro-meta-xylene						*98.0*	*42-129*		

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Semivolatiles by GC - Quality Control									
LCS Dup (7020651-BSD1)						Prepared: 23-Feb-07 Analyzed: 05-Mar-07			
Aldrin						106	56-120	18.0	20
Dieldrin						118	51-133	15.6	20
Surrogate: Decachlorobiphenyl						*51.2*	*41-129*		
Surrogate: Tetrachloro-meta-xylene						*80.8*	*42-129*		
Semivolatiles by GC - Quality Control									
Blank (7030126-BLK1)						Prepared & Analyzed: 06-Mar-07			
1,2-Dibromo-3-chloropropane	0.0036	U	0.0036	0.040	ug/L				
1,2-Dibromoethane (EDB)	0.0053	U	0.0053	0.020	ug/L				
Surrogate: 1,1,1,2-Tetrachloroethane						*105*	*64-125*		
Semivolatiles by GC - Quality Control									
LCS (7030126-BS1)						Prepared & Analyzed: 06-Mar-07			
1,2-Dibromo-3-chloropropane						88.0	70-130		
1,2-Dibromoethane (EDB)						83.6	70-130		
Surrogate: 1,1,1,2-Tetrachloroethane						*103*	*64-125*		
Semivolatiles by GC - Quality Control									
LCS Dup (7030126-BSD1)						Prepared & Analyzed: 06-Mar-07			
1,2-Dibromo-3-chloropropane						82.0	70-130	7.06	20
1,2-Dibromoethane (EDB)						76.8	70-130	8.48	20
Surrogate: 1,1,1,2-Tetrachloroethane						*101*	*64-125*		
Semivolatiles by GC - Quality Control									
Matrix Spike (7030126-MS1)				**Source: Q001453-03**		Prepared & Analyzed: 06-Mar-07			
1,2-Dibromo-3-chloropropane						109	70-130		
1,2-Dibromoethane (EDB)						116	70-130		
Surrogate: 1,1,1,2-Tetrachloroethane						*103*	*64-125*		
Metals - Quality Control									
Blank (7020629-BLK1)						Prepared: 22-Feb-07 Analyzed: 23-Feb-07			
Mercury, Total	0.000072	I	0.000060	0.00020	mg/L				
Metals - Quality Control									
LCS (7020629-BS1)						Prepared: 22-Feb-07 Analyzed: 23-Feb-07			
Mercury, Total						99.1	85-115		
Metals - Quality Control									
Matrix Spike (7020629-MS1)				**Source: Q001353-01**		Prepared: 22-Feb-07 Analyzed: 23-Feb-07			
Mercury, Total						96.5	75-125		
Metals - Quality Control									
Matrix Spike Dup (7020629-MSD1)				**Source: Q001353-01**		Prepared: 22-Feb-07 Analyzed: 23-Feb-07			
Mercury, Total						87.0	75-125	10.4	20

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit

Metals - Quality Control

Blank (7020630-BLK1) Prepared: 22-Feb-07 Analyzed: 23-Feb-07

Aluminum, Total	0.085	I	0.035	0.20	mg/L				
Barium, Total	0.00098	U	0.00098	0.050	mg/L				
Beryllium, Total	0.0018	U	0.0018	0.0040	mg/L				
Cadmium, Total	0.0021	U	0.0021	0.0050	mg/L				
Chromium, Total	0.0025	U	0.0025	0.0050	mg/L				
Copper, Total	0.0060	U	0.0060	0.010	mg/L				
Iron, Total	0.029	U	0.029	0.050	mg/L				
Manganese, Total	0.0034	U	0.0034	0.0050	mg/L				
Nickel, Total	0.0059	U	0.0059	0.010	mg/L				
Silver, Total	0.00088	U	0.00088	0.0050	mg/L				
Sodium, Total	0.35	U	0.35	1.0	mg/L				
Zinc, Total	0.0042	U	0.0042	0.020	mg/L				

Metals - Quality Control

LCS (7020630-BS1) Prepared: 22-Feb-07 Analyzed: 23-Feb-07

Aluminum, Total						101	85-115		
Barium, Total						100	85-115		
Beryllium, Total						106	85-115		
Cadmium, Total						105	85-115		
Chromium, Total						110	85-115		
Copper, Total						104	85-115		
Iron, Total						101	85-115		
Manganese, Total						96.3	85-115		
Nickel, Total						106	85-115		
Silver, Total						106	85-115		
Sodium, Total						86.9	85-115		
Zinc, Total						107	85-115		

Metals - Quality Control

Matrix Spike (7020630-MS1) **Source: Q001306-01** Prepared: 22-Feb-07 Analyzed: 23-Feb-07

Aluminum, Total						106	70-130		
Barium, Total						97.0	70-130		
Beryllium, Total						106	70-130		
Cadmium, Total						106	70-130		
Chromium, Total						109	70-130		
Copper, Total						107	70-130		
Iron, Total						109	70-130		
Manganese, Total						95.5	70-130		
Nickel, Total						107	70-130		
Silver, Total						107	70-130		
Sodium, Total						100	70-130		
Zinc, Total						113	70-130		

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Metals - Quality Control									
Matrix Spike Dup (7020630-MSD1)			**Source: Q001306-01**			Prepared: 22-Feb-07 Analyzed: 23-Feb-07			
Aluminum, Total						103	70-130	2.87	20
Barium, Total						96.0	70-130	1.04	20
Beryllium, Total						104	70-130	1.90	20
Cadmium, Total						103	70-130	2.87	20
Chromium, Total						106	70-130	2.79	20
Copper, Total						104	70-130	2.84	20
Iron, Total						119	70-130	8.77	20
Manganese, Total						93.2	70-130	2.44	20
Nickel, Total						104	70-130	2.84	20
Silver, Total						104	70-130	2.84	20
Sodium, Total						800	70-130	156	20
Zinc, Total						110	70-130	2.69	20
Wet Chemistry - Quality Control									
Blank (7020647-BLK1)						Prepared & Analyzed: 23-Feb-07			
Color	2.5	U	2.5	2.5	cu				
Wet Chemistry - Quality Control									
LCS (7020647-BS1)						Prepared & Analyzed: 23-Feb-07			
Color						100	80-120		
Wet Chemistry - Quality Control									
LCS Dup (7020647-BSD1)						Prepared & Analyzed: 23-Feb-07			
Color						100	80-120	0.00	20
Wet Chemistry - Quality Control									
Duplicate (7020647-DUP1)			**Source: Q001359-01**			Prepared & Analyzed: 23-Feb-07			
Color	50.0		2.5	2.5	cu			0.00	20
Wet Chemistry - Quality Control									
Blank (7020657-BLK1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Ammonia (as N)	0.015	U	0.015	0.020	mg/L				
Wet Chemistry - Quality Control									
LCS (7020657-BS1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Ammonia (as N)						109	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020657-BSD1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Ammonia (as N)						108	90-110	0.922	20
Wet Chemistry - Quality Control									
LCS (7020672-BS1)						Prepared & Analyzed: 23-Feb-07			
pH						100	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020672-BSD1)						Prepared & Analyzed: 23-Feb-07			
pH						100	90-110	0.163	20
Wet Chemistry - Quality Control									
Duplicate (7020672-DUP1)			**Source: Q001366-01**			Prepared & Analyzed: 23-Feb-07			
pH	7.61			0.00	s.u.			0.527	20

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
Blank (7020685-BLK1)						Prepared & Analyzed: 21-Feb-07			
MBAS	0.043	U	0.043	0.075	mg/L				
Wet Chemistry - Quality Control									
LCS (7020685-BS1)						Prepared & Analyzed: 21-Feb-07			
MBAS						91.2	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020685-BSD1)						Prepared & Analyzed: 21-Feb-07			
MBAS						102	90-110	11.2	20
Wet Chemistry - Quality Control									
Blank (7020687-BLK1)						Prepared: 23-Feb-07 Analyzed: 25-Feb-07			
Cyanide, Total	0.0040	U	0.0040	0.0050	mg/L				
Wet Chemistry - Quality Control									
LCS (7020687-BS1)						Prepared: 23-Feb-07 Analyzed: 25-Feb-07			
Cyanide, Total						107	80-120		
Wet Chemistry - Quality Control									
LCS Dup (7020687-BSD1)						Prepared: 23-Feb-07 Analyzed: 25-Feb-07			
Cyanide, Total						105	80-120	1.89	20
Wet Chemistry - Quality Control									
Matrix Spike (7020687-MS1)			**Source: Q001359-01**			Prepared: 23-Feb-07 Analyzed: 25-Feb-07			
Cyanide, Total						97.0	80-120		
Wet Chemistry - Quality Control									
Matrix Spike Dup (7020687-MSD1)			**Source: Q001359-01**			Prepared: 23-Feb-07 Analyzed: 25-Feb-07			
Cyanide, Total						NR	80-120	NR	20
Wet Chemistry - Quality Control									
Blank (7020699-BLK1)						Prepared & Analyzed: 23-Feb-07			
Chloride	0.20	U	0.20	0.40	mg/L				
Nitrogen, Nitrate (as N)	0.062	U	0.062	0.50	mg/L				
Sulfate	0.14	U	0.14	1.0	mg/L				
Wet Chemistry - Quality Control									
LCS (7020699-BS1)						Prepared & Analyzed: 23-Feb-07			
Chloride						100	90-110		
Nitrogen, Nitrate (as N)						105	80-110		
Sulfate						100	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020699-BSD1)						Prepared & Analyzed: 23-Feb-07			
Chloride						101	90-110	0.995	20
Nitrogen, Nitrate (as N)						105	80-110	0.00	20
Sulfate						100	90-110	0.00	20
Wet Chemistry - Quality Control									
Blank (7020715-BLK1)						Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
Phosphorus, Total	0.057	I	0.047	0.10	mg/L				

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
LCS (7020715-BS1)						Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
Phosphorus, Total						89.8	80-120		
Wet Chemistry - Quality Control									
LCS Dup (7020715-BSD1)						Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
Phosphorus, Total						102	80-120	12.7	20
Wet Chemistry - Quality Control									
Matrix Spike (7020715-MS1)			**Source: Q001355-02**			Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
Phosphorus, Total						77.2	80-120		
Wet Chemistry - Quality Control									
Matrix Spike Dup (7020715-MSD1)			**Source: Q001355-02**			Prepared: 23-Feb-07 Analyzed: 26-Feb-07			
Phosphorus, Total						81.7	80-120	5.66	20
Wet Chemistry - Quality Control									
Blank (7020737-BLK1)						Prepared & Analyzed: 26-Feb-07			
Solids, Total Dissolved	8.9	U	8.9	10	mg/L				
Wet Chemistry - Quality Control									
LCS (7020737-BS1)						Prepared & Analyzed: 26-Feb-07			
Solids, Total Dissolved						100	80-120		
Wet Chemistry - Quality Control									
LCS Dup (7020737-BSD1)						Prepared & Analyzed: 26-Feb-07			
Solids, Total Dissolved						104	80-120	3.92	30
Wet Chemistry - Quality Control									
Duplicate (7020737-DUP1)			**Source: Q001376-05**			Prepared & Analyzed: 26-Feb-07			
Solids, Total Dissolved	2040		8.9	10	mg/L			1.98	20
Wet Chemistry - Quality Control									
Blank (7020745-BLK1)						Prepared & Analyzed: 26-Feb-07			
COD	8.4	U	8.4	10	mg/L				
Wet Chemistry - Quality Control									
LCS (7020745-BS1)						Prepared & Analyzed: 26-Feb-07			
COD						99.7	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020745-BSD1)						Prepared & Analyzed: 27-Feb-07			
COD						104	90-110	4.22	20
Wet Chemistry - Quality Control									
Matrix Spike (7020745-MS1)			**Source: Q001359-01**			Prepared & Analyzed: 26-Feb-07			
COD						58.0	90-110		
Wet Chemistry - Quality Control									
Matrix Spike Dup (7020745-MSD1)			**Source: Q001359-01**			Prepared & Analyzed: 26-Feb-07			
COD						64.0	90-110	9.84	20

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
Blank (7020746-BLK1)						Prepared & Analyzed: 27-Feb-07			
Fluoride	0.054	U	0.054	0.20	mg/L				
Wet Chemistry - Quality Control									
LCS (7020746-BS1)						Prepared & Analyzed: 27-Feb-07			
Fluoride						96.6	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020746-BSD1)						Prepared & Analyzed: 27-Feb-07			
Fluoride						96.6	90-110	0.00	20
Wet Chemistry - Quality Control									
Matrix Spike (7020746-MS1)				**Source: Q001279-01**		Prepared & Analyzed: 27-Feb-07			
Fluoride						98.4	90-110		
Wet Chemistry - Quality Control									
Matrix Spike Dup (7020746-MSD1)				**Source: Q001279-01**		Prepared & Analyzed: 27-Feb-07			
Fluoride						98.4	90-110	0.00	20
Wet Chemistry - Quality Control									
LCS (7020764-BS1)						Prepared & Analyzed: 27-Feb-07			
Conductivity						102	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7020764-BSD1)						Prepared & Analyzed: 27-Feb-07			
Conductivity						102	90-110	0.00	20
Wet Chemistry - Quality Control									
Duplicate (7020764-DUP1)				**Source: Q001359-01**		Prepared & Analyzed: 27-Feb-07			
Conductivity	860		0.00	0.00	umhos/cm			0.349	20
Wet Chemistry - Quality Control									
Blank (7020797-BLK1)						Prepared & Analyzed: 23-Feb-07			
BOD	1.0	U	1.0	2.0	mg/L				
Wet Chemistry - Quality Control									
LCS (7020797-BS1)						Prepared & Analyzed: 23-Feb-07			
BOD						102	85-115		
Wet Chemistry - Quality Control									
LCS Dup (7020797-BSD1)						Prepared & Analyzed: 23-Feb-07			
BOD						97.0	85-115	4.58	20
Wet Chemistry - Quality Control									
Blank (7020810-BLK1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Nitrite (as N)	0.021	U	0.021	0.50	mg/L				
Wet Chemistry - Quality Control									
LCS (7020810-BS1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Nitrite (as N)						90.0	90-110		

QUALITY CONTROL FOR :Q001359

Analyte	Result		MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
Wet Chemistry - Quality Control									
LCS Dup (7020810-BSD1)						Prepared & Analyzed: 23-Feb-07			
Nitrogen, Nitrite (as N)						90.0	90-110	0.00	20
Wet Chemistry - Quality Control									
Blank (7030006-BLK1)						Prepared & Analyzed: 28-Feb-07			
Nitrogen, Kjeldahl, Total	0.091	U	0.091	0.25	mg/L				
Wet Chemistry - Quality Control									
LCS (7030006-BS1)						Prepared & Analyzed: 28-Feb-07			
Nitrogen, Kjeldahl, Total						110	90-110		
Wet Chemistry - Quality Control									
LCS Dup (7030006-BSD1)						Prepared & Analyzed: 28-Feb-07			
Nitrogen, Kjeldahl, Total						96.8	90-110	12.8	20
Wet Chemistry - Quality Control									
Matrix Spike (7030006-MS1)				**Source: Q001357-01**		Prepared & Analyzed: 28-Feb-07			
Nitrogen, Kjeldahl, Total						53.0	90-110		
Wet Chemistry - Quality Control									
Matrix Spike Dup (7030006-MSD1)				**Source: Q001357-01**		Prepared & Analyzed: 28-Feb-07			
Nitrogen, Kjeldahl, Total						128	90-110	82.9	20

NOTES AND DEFINITIONS

V	Indicates the analyte was detected in both the sample and the associated method blank. The value in the method blank is not subtracted from the associated samples.
U	Indicates the compound was analyzed for but not detected.
J	Estimated value. See accompanying case narrative for a complete description.
I	The reported value is between the laboratory method detection limit and the reporting limit.
#	Quality control recovered outside acceptance criteria.
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
DF	Dilution Factor
%REC	Percent Recovery
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD

Q001359

KSA KSA Environmental Laboratory, Inc.
10200 USA Today Way - Miramar, Florida 33025
Phone (954)431-4550 Fax (954)431-1959

Nº 1032
NELAC / FDOH # : E86349

Work Order #: _____ COC# _____ 5
Page _____ of _____

Client Name: MIAMI DADE WATER & SEWER DEPT. Phone: 3052588508 Fax: 3052598520
Client Address: 8950 SW 232 ST Site Location: SOUTH DISTRICT WWTP

Project Contact: CLIVE POWELL
Project Number/Name: ANNUAL PLANT SAMPLING
Sampled By (print): AL PEREZ
Sampler's Signature:

ITEM #	SAMPLE ID	Collected DATE	Collected TIME	MATRIX	# BOTTLES	Analysis Required: COMPLETE PRIORITY POLLUTANTS	OIL & GREASE	TOTAL COLIFORM	DIOXIN (SCAN)	PRIMARY DRINKING WATER STANDARDS	SECONDARY DRINKING WATER STANDARDS	FLORIDA CRITERIA MINIMUM CRITERIA	GROSS ALPHA RADIUM 226, 228	Sample Remarks	Lab No.
1	COMBINED EFFLUENT	2/22/07	24HC	WW	15	✓	✓	✓	✓	✓	✓	✓	✓	One Sample Location	
2	COMBINED EFFLUENT	2/22/07	10:17	WW	8	✓	✓	✓	✓	✓	✓	✓	✓		
3															
4															
5															
6															
7															
8															
9															
10															
11															

Matrix Code:	Preservation code
A - Air	1 - Ice
GW - Groundwater	2 - HCl
S - Soil / Sediment	3 - H2SO4
WW - Wastewater	4 - HNO3
DW - Drinking Water	5 - NaOH
SW - Surface Water	6 - ZnAcetate
SL - Sludge	0 - Other
O - Other	

← Enter Preservation code

Special Instructions & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Clive Powell	MDWASD	2/22/07 12:32		OTO	2/22/07 12:32
Relinquished by:	Company:	Date/Time:	Received by:	Company: KSA	Date/Time: 2/22/07 13:20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: