

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 analysis 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

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

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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
1,2-Dichloroethane-d4	112 %	72-136
4-Bromofluorobenzene	83.2 %	80-120
4-Bromofluorobenzene	97.2 %	79-117
Dibromofluoromethane	117 %	77-131
Toluene-d8	98.2 %	78-125

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

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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
2-Fluorobiphenyl	46.0 %	43-119
2-Fluorophenol	27.4 %	19-108
Nitrobenzene-d5	50.6 %	33-120
Phenol-d5	13.2 %	10-117
Terphenyl-d14	56.8 %	37-129

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

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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	

Florida Certifications: E86349

ANALYTICAL REPORT

Sample ID: Combined Effluent
 Lab #: Q001359-01
 Sampled: 02/22/07 10:17

Project: Annual Plant Sampling
 Work Order #: Q001359
 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
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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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>						120	72-136	
<i>Surrogate: 4-Bromofluorobenzene</i>						96.5	79-117	
<i>Surrogate: Dibromofluoromethane</i>						130	77-131	
<i>Surrogate: Toluene-d8</i>						111	78-125	

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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		
<i>Surrogate: 1,2-Dichloroethane-d4</i>					99.0	72-136		
<i>Surrogate: 4-Bromofluorobenzene</i>					101	79-117		
<i>Surrogate: Dibromofluoromethane</i>					111	77-131		
<i>Surrogate: Toluene-d8</i>					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
<i>Surrogate: 1,2-Dichloroethane-d4</i>					100	72-136		
<i>Surrogate: 4-Bromofluorobenzene</i>					101	79-117		
<i>Surrogate: Dibromofluoromethane</i>					109	77-131		
<i>Surrogate: Toluene-d8</i>					99.8	78-125		

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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
<i>Surrogate: 1,2-Dichloroethane-d4</i>				128	72-136
<i>Surrogate: 4-Bromofluorobenzene</i>				104	79-117
<i>Surrogate: Dibromofluoromethane</i>				128	77-131
<i>Surrogate: Toluene-d8</i>				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	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>						85.8 0-200
<i>Surrogate: 4-Bromofluorobenzene</i>						84.5 80-120

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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		
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>					91.2	0-200		
<i>Surrogate: 4-Bromofluorobenzene</i>					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			
<i>Surrogate: 2,4,6-Tribromophenol</i>						59.3	31-139	
<i>Surrogate: 2-Fluorobiphenyl</i>						70.2	43-119	
<i>Surrogate: 2-Fluorophenol</i>						63.5	19-108	
<i>Surrogate: Nitrobenzene-d5</i>						75.2	33-120	
<i>Surrogate: Phenol-d5</i>						73.3	10-117	
<i>Surrogate: Terphenyl-d14</i>						75.4	37-129	

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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		
<i>Surrogate: 2,4,6-Tribromophenol</i>					58.8	31-139		
<i>Surrogate: 2-Fluorobiphenyl</i>					61.2	43-119		
<i>Surrogate: 2-Fluorophenol</i>					72.0	19-108		
<i>Surrogate: Nitrobenzene-d5</i>					64.4	33-120		
<i>Surrogate: Phenol-d5</i>					69.9	10-117		
<i>Surrogate: Terphenyl-d14</i>					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
<i>Surrogate: 2,4,6-Tribromophenol</i>					56.8	31-139		
<i>Surrogate: 2-Fluorobiphenyl</i>					58.4	43-119		
<i>Surrogate: 2-Fluorophenol</i>					49.7	19-108		
<i>Surrogate: Nitrobenzene-d5</i>					71.0	33-120		
<i>Surrogate: Phenol-d5</i>					23.2	10-117		
<i>Surrogate: Terphenyl-d14</i>					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			
<i>Surrogate: Decachlorobiphenyl</i>						101	41-129	
<i>Surrogate: Tetrachloro-meta-xylene</i>						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	
<i>Surrogate: Decachlorobiphenyl</i>						72.8	41-129	
<i>Surrogate: Tetrachloro-meta-xylene</i>						98.0	42-129	

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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
<i>Surrogate: Decachlorobiphenyl</i>					51.2	41-129		
<i>Surrogate: Tetrachloro-meta-xylene</i>					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			
<i>Surrogate: 1,1,1,2-Tetrachloroethane</i>						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		
<i>Surrogate: 1,1,1,2-Tetrachloroethane</i>					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
<i>Surrogate: 1,1,1,2-Tetrachloroethane</i>					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		
<i>Surrogate: 1,1,1,2-Tetrachloroethane</i>					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			
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Metals - Quality Control

LCS (7020629-BS1)

Prepared: 22-Feb-07 Analyzed: 23-Feb-07

Mercury, Total						99.1	85-115	
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Metals - Quality Control

Matrix Spike (7020629-MS1)

Source: Q001353-01

Prepared: 22-Feb-07 Analyzed: 23-Feb-07

Mercury, Total						96.5	75-125	
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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
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QUALITY CONTROL FOR :Q001359

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

Florida Certifications: E86349

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Wet Chemistry - Quality Control

Blank (7020685-BLK1)

Prepared & Analyzed: 21-Feb-07

MBAS	0.043	U	0.043	0.075	mg/L
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Wet Chemistry - Quality Control

LCS (7020685-BS1)

Prepared & Analyzed: 21-Feb-07

MBAS						91.2	90-110
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Wet Chemistry - Quality Control

LCS Dup (7020685-BSD1)

Prepared & Analyzed: 21-Feb-07

MBAS						102	90-110	11.2	20
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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
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Wet Chemistry - Quality Control

LCS (7020687-BS1)

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Cyanide, Total						107	80-120
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Wet Chemistry - Quality Control

LCS Dup (7020687-BSD1)

Prepared: 23-Feb-07 Analyzed: 25-Feb-07

Cyanide, Total						105	80-120	1.89	20
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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
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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
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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
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Florida Certifications: E86349

QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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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
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Wet Chemistry - Quality Control

Blank (7020746-BLK1)

Prepared & Analyzed: 27-Feb-07

Fluoride	0.054	U	0.054	0.20	mg/L			
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Wet Chemistry - Quality Control

LCS (7020746-BS1)

Prepared & Analyzed: 27-Feb-07

Fluoride						96.6	90-110	
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Wet Chemistry - Quality Control

LCS Dup (7020746-BSD1)

Prepared & Analyzed: 27-Feb-07

Fluoride						96.6	90-110	0.00	20
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Wet Chemistry - Quality Control

Matrix Spike (7020746-MS1)

Source: Q001279-01

Prepared & Analyzed: 27-Feb-07

Fluoride						98.4	90-110		
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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
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Wet Chemistry - Quality Control

LCS (7020764-BS1)

Prepared & Analyzed: 27-Feb-07

Conductivity						102	90-110		
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Wet Chemistry - Quality Control

LCS Dup (7020764-BSD1)

Prepared & Analyzed: 27-Feb-07

Conductivity						102	90-110	0.00	20
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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
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Wet Chemistry - Quality Control

Blank (7020797-BLK1)

Prepared & Analyzed: 23-Feb-07

BOD	1.0	U	1.0	2.0	mg/L				
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Wet Chemistry - Quality Control

LCS (7020797-BS1)

Prepared & Analyzed: 23-Feb-07

BOD						102	85-115		
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Wet Chemistry - Quality Control

LCS Dup (7020797-BSD1)

Prepared & Analyzed: 23-Feb-07

BOD						97.0	85-115	4.58	20
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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				
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Wet Chemistry - Quality Control

LCS (7020810-BS1)

Prepared & Analyzed: 23-Feb-07

Nitrogen, Nitrite (as N)						90.0	90-110		
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QUALITY CONTROL FOR :Q001359

Analyte	Result	MDL	PQL	Units	%REC	%REC Limits	RPD	RPD Limit
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Wet Chemistry - Quality Control

LCS Dup (7020810-BSD1)

Prepared & Analyzed: 23-Feb-07

Nitrogen, Nitrite (as N)					90.0	90-110	0.00	20
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Wet Chemistry - Quality Control

Blank (7030006-BLK1)

Prepared & Analyzed: 28-Feb-07

Nitrogen, Kjeldahl, Total	0.091	U	0.091	0.25	mg/L			
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Wet Chemistry - Quality Control

LCS (7030006-BS1)

Prepared & Analyzed: 28-Feb-07

Nitrogen, Kjeldahl, Total						110	90-110	
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Wet Chemistry - Quality Control

LCS Dup (7030006-BSD1)

Prepared & Analyzed: 28-Feb-07

Nitrogen, Kjeldahl, Total					96.8	90-110	12.8	20
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Wet Chemistry - Quality Control

Matrix Spike (7030006-MS1)

Source: Q001357-01

Prepared & Analyzed: 28-Feb-07

Nitrogen, Kjeldahl, Total					53.0	90-110		
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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
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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

2001359

CHAIN OF CUSTODY RECORD

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

Work Order #: _____ COCH# _____
 Page _____ of _____

Client Name: Miami Dade Water & Sewer Dept Phone: 305 259 8508
 Client Address: 8950 SW 232 ST Site Location: SOUTH DISTRICT WWTTP

I I E V #	SAMPLE ID	Collected		Analysis Required	Matrix Code:	Preservation code:
		D A T E	T I M E			
1	COMBINED EFFLUENT	2/10/07	2:40 PM	<input checked="" type="checkbox"/> PRIORITY POLLUTANTS <input checked="" type="checkbox"/> OIL & GREASES <input checked="" type="checkbox"/> TOTAL COLIFORMS <input checked="" type="checkbox"/> TOXIN (SCAN) <input checked="" type="checkbox"/> PRIMARY DRINKING WATER STANDARDS <input checked="" type="checkbox"/> SECONDARY DRINKING WATER STANDARDS <input checked="" type="checkbox"/> MUNICIPAL SOLID WASTE <input checked="" type="checkbox"/> GROSS ALPHA RADIUM 226, 228	A - Air GW - Groundwater S - Soil / Sediment WW - Wastewater DW - Drinking Water SW - Surface Water SL - Sludge O - Other	1 - Ice 2 - HCl 3 - H2SO4 4 - HNO3 5 - NaOH 6 - ZnAcetate 0 - Other
2	COMBINED EFFLUENT	2/10/07	10:17 AM		ONE SAMPLE LOCATION	
3						
4						
5						
6						
7						
8						
9						
10						
11						

Special Instructions & Comments: _____

Requested by: Chris Powell Date/Time: 2/10/07 2:40 PM Company: HS&S

Received by: [Signature] Date/Time: 2/23/07 12:32 Company: OTD

Requested by: [Signature] Date/Time: 2/23/07 13:20 Company: KSO