Columbia Analytical Services
9143 Philips Highway, Jacksonville, FL 32256 | 904-739-2277 | www.caslab.com

December 28, 2011 Service Request No: J1105079

Kirk Wills
Waste Services of Florida, Inc.
11500 43rd Street North
Clearwater, FL 33762

Laboratory Results for: JED SWDF

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory November 11, 2011
For your reference, these analyses have been assigned our service request number **J1105079.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. If required, the laboratory can provide uncertainty measurements for each method employed in sample analysis; this uncertainty measurement would be generated using method validation studies and the laboratory's quality control data.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at CMyers@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Received: 11/11/11

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

One water sample and one trip blank were received for analysis at Columbia Analytical Services on 11/11/11. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Analyses:

Method 8260B: The lower control criterion was exceeded for the following analyte in the Continuing Calibration Verification (CCV): Bromomethane and Iodomethane. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Method 8260B: The spike recovery of Bromomethane and Iodomethane for Laboratory Control Sample (LCS) JQ1106642-01 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Method 8260B: The sample required dilution due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Semi-Volatile Organic Analyses:

Method 8011: The upper control criteria were exceeded for the following analyte in the Continuing Calibration Verification (CCV): 1,2-Dibromo-3-chloropropane. The field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the apparent problem equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8011: The control criteria were exceeded for the following surrogates in the Continuing Calibration Verification (CCV): 1,1,1,2 Tetrachloroethane. The surrogate in question was within acceptance criteria for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8081: The upper control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Endrin Ketone, b-BHC, and Endrin. The LCS (Laboratory Control Sample) passed control criteria for the analytes and the field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the apparent problem equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 12/28/2011

Method 8081: The control criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): Decachlorobiphenyl and Tetrachlor-m-xylenes. The surrogate in question was within acceptance criteria for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8081: The upper control criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): Decachlorobiphenyl and Tetrachlor-m-xylenes. The data quality was not significantly affected and no further corrective action was taken.

Method 8082: The upper control criterion was exceeded for the following surrogate in the Continuing Calibration Verification (CCV): Decachlorobiphenyl. The data quality was not significantly affected and no further corrective action was taken.

Method 8081: The upper control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): b-BHC, Endrin and Endrin Ketone. The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the apparent problem equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8081: The control criteria were exceeded for the following surrogates in sample L-6 due to suspected matrix interferences: Decachlorobiphenyl and Tetrachlor-m-xylenes. A large emulsion was generated during the extraction of this sample which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Method 8082: The control criteria were exceeded for the following surrogate in sample L-6 due to suspected matrix interferences: Decachlorobiphenyl. A large emulsion was generated during the extraction of this sample which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Method 8270C: The spike recovery of p-Phenylenediamine for Laboratory Control Sample (LCS) JQ1106599-2 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias. This is a poor extracting analyte. The data is flagged to indicate the problem.

Method 8270C: The lower control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Kepone and Famphur. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Method 8270C: The upper control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Phorate. The field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the apparent problem equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270C: The upper control criterion was exceeded for the following analytes in the Second Source Verification (SSV): Methapyrilene. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Method 8270C: The lower control criterion was exceeded for the following analytes in the Second Source Verification (SSV): Diphenylamine and N-Nitrosodiphenylamine. The analytes in question were not detected in the associated field sample. Since the analytes were detected in the Method Reporting Limit (MRL) check, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Method 8270C: The control criteria were exceeded for the following surrogate in sample L-6 due to suspected matrix interference: Terphenyl-d14. The sample formed an emulsion and had issues during the filtration step of the extraction process that is suspected of adversely affecting the recovery. No further corrective action was appropriate.

Metals Analyses:

Method 7470A: The Method Reporting Limit (MRL) is elevated for Mercury in sample L-6. The sample matrix contained excessive amounts of organic matter that subsequently reduced the potassium permanganate added during sample preparation. An excess of oxidized permanganate must be maintained throughout the prep process in order to ensure no loss of mercury as vapor. As a result, a smaller amount of sample was utilized and the resulting reporting limits adjusted accordingly.

Method 6010B: The Method Reporting Limit (MRL) is elevated for several analytes in sample L-6 due to sample matrix. The reporting limits are adjusted to reflect the dilution.

Method 6020: The Method Reporting Limit (MRL) is elevated for several analytes in sample L-6 due to sample matrix. The reporting limits are adjusted to reflect the dilution.

General Chemistry Analyses:

Method 300.0: The Method Reporting Limit (MRL) is elevated for Nitrite, Nitrate, and Sulfate in sample L-6. The chromatogram indicated the presence of non-target background components that interfered with the analysis. In addition, the sample had an elevated concentration of Chloride. The matrix interference prevented adequate resolution of the target compound at the reporting limit.

Subcontracted Analytical Parameters:

The sample was delivered to ENCO Labs in Jacksonville, FL on 11/11/11 for EPA Method 8151 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2012
North Carolina Department of Environment and Natural Resources	527	12/31/2011
Louisiana Department of Environmental Quality	02086	6/30/2012
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2012
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2012
Maine Department of Health and Human Services	2011006	2/3/2013
Department of Defense	66206	5/11/2012
New York Department of Health	11962	4/1/2012

Data Qualifiers

Florida-DEP

!	Data deviates from historically established concentration ranges
*	Not reported due to interference
?	Data is rejected and should not be used
A	Value reported is the arithmetic mean of two or more determininations
B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory PQL.
J	Estimated value.
K	Off scale low. The value is less than the lowest calibration standard.
L	Off scale high. The analyte is above the acceptable level of quantitation.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed
Q	Sample held beyond the acceptable holding time.
R	Significant rain in the past 48 hours (typically in excess of 0.5 inches)
T	Estimated value, less than the MDL
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
X	Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
Y	The laboratory analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present, the numeric value represents the filtration volume

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1105079-001	L-6	11/10/2011	0930
J1105079-002	Trip Blank	11/10/2011	0000

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	9.50	U	50.0	9.50	50	11/17/11 20:56	
1,1,1-Trichloroethane (TCA)	8.50	U	50.0	8.50	50	11/17/11 20:56	
1,1,2,2-Tetrachloroethane	14.5	U	50.0	14.5	50	11/17/11 20:56	
1,1,2-Trichloroethane	20.0	U	50.0	20.0	50	11/17/11 20:56	
1,1-Dichloroethane (1,1-DCA)	15.0	U	50.0	15.0	50	11/17/11 20:56	
1,1-Dichloroethene (1,1-DCE)	8.00	U	50.0	8.00	50	11/17/11 20:56	
1,1-Dichloropropene	16.0	U	250	16.0	50	11/17/11 20:56	
1,2,3-Trichloropropane	21.0	U	100	21.0	50	11/17/11 20:56	
1,2,4-Trichlorobenzene	17.0	U	500	17.0	50	11/17/11 20:56	
1,2-Dibromo-3-chloropropane (DBCP)	115	U	250	115	50	11/17/11 20:56	
1,2-Dibromoethane (EDB)	23.0	U	50.0	23.0	50	11/17/11 20:56	
1,2-Dichlorobenzene	24.0	U	50.0	24.0	50	11/17/11 20:56	
1,2-Dichloroethane	11.0	U	50.0	11.0	50	11/17/11 20:56	
1,2-Dichloropropane	9.50	U	50.0	9.50	50	11/17/11 20:56	
1,3-Dichlorobenzene	11.0	U	50.0	11.0	50	11/17/11 20:56	
1,3-Dichloropropane	9.00	U	50.0	9.00	50	11/17/11 20:56	
1,4-Dichlorobenzene	8.00	U	50.0	8.00	50	11/17/11 20:56	
2,2-Dichloropropane	23.0	U	50.0	23.0	50	11/17/11 20:56	
2-Butanone (MEK)	190	U	500	190	50	11/17/11 20:56	
2-Hexanone	111	U	1250	111	50	11/17/11 20:56	
4-Methyl-2-pentanone (MIBK)	55.1	U	1250	55.1	50	11/17/11 20:56	
Acetone	280	U	2500	280	50	11/17/11 20:56	
Acetonitrile	900	U	1250	900	50	11/17/11 20:56	
Acrolein	1400	U	2500	1400	50	11/17/11 20:56	
Acrylonitrile	75.0	U	500	75.0	50	11/17/11 20:56	
Allyl Chloride	19.5	U	250	19.5	50	11/17/11 20:56	
Benzene	10.5	U	50.0	10.5	50	11/17/11 20:56	
Bromochloromethane	13.5	U	250	13.5	50	11/17/11 20:56	
Bromodichloromethane	11.0	U	50.0	11.0	50	11/17/11 20:56	
Bromoform	21.0	U	100	21.0	50	11/17/11 20:56	
Bromomethane	11.5	U	250	11.5	50	11/17/11 20:56	
Carbon Disulfide	120	U	500	120	50	11/17/11 20:56	
Carbon Tetrachloride	17.0	U	50.0	17.0	50	11/17/11 20:56	
Chlorobenzene	8.00	U	50.0	8.00	50	11/17/11 20:56	
Chloroethane	26.0	U	250	26.0	50	11/17/11 20:56	
Chloroform	17.5	U	50.0	17.5	50	11/17/11 20:56	
Chloromethane	18.0	U	50.0	18.0	50	11/17/11 20:56	
Chloroprene	6.00	U	50.0	6.00	50	11/17/11 20:56	
cis-1,2-Dichloroethene	18.0	U	50.0	18.0	50	11/17/11 20:56	
cis-1,3-Dichloropropene	10.0	U	50.0	10.0	50	11/17/11 20:56	
Dibromochloromethane	10.5	U	50.0	10.5	50	11/17/11 20:56	
Dibromomethane	18.0	U	250	18.0	50	11/17/11 20:56	
Dichlorodifluoromethane	11.5	U	1000	11.5	50	11/17/11 20:56	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	17.5	U	50.0	17.5	50	11/17/11 20:56	
Ethylbenzene	**26.0**	**I**	50.0	10.5	50	11/17/11 20:56	
Hexachlorobutadiene	30.0	U	500	30.0	50	11/17/11 20:56	
Iodomethane	135	U	250	135	50	11/17/11 20:56	
Isobutyl Alcohol	2150	U	5000	2150	50	11/17/11 20:56	
m,p-Xylenes	**47.0**	**I**	100	15.5	50	11/17/11 20:56	
Methacrylonitrile	80.0	U	250	80.0	50	11/17/11 20:56	
Methyl Methacrylate	24.5	U	100	24.5	50	11/17/11 20:56	
Methylene Chloride	10.5	U	250	10.5	50	11/17/11 20:56	
Naphthalene	19.0	U	500	19.0	50	11/17/11 20:56	
o-Xylene	**27.5**	**I**	50.0	7.01	50	11/17/11 20:56	
Propionitrile	195	U	1250	195	50	11/17/11 20:56	
Styrene	14.5	U	50.0	14.5	50	11/17/11 20:56	
Tetrachloroethene (PCE)	11.0	U	50.0	11.0	50	11/17/11 20:56	
Toluene	**61.0**		50.0	9.50	50	11/17/11 20:56	
trans-1,2-Dichloroethene	9.50	U	50.0	9.50	50	11/17/11 20:56	
trans-1,3-Dichloropropene	11.5	U	50.0	11.5	50	11/17/11 20:56	
trans-1,4-Dichloro-2-butene	111	U	1000	111	50	11/17/11 20:56	
Trichloroethene (TCE)	18.0	U	50.0	18.0	50	11/17/11 20:56	
Trichlorofluoromethane	12.0	U	1000	12.0	50	11/17/11 20:56	
Vinyl Acetate	95.0	U	500	95.0	50	11/17/11 20:56	
Vinyl Chloride	18.0	U	50.0	18.0	50	11/17/11 20:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	68 - 118	11/17/11 20:56	
4-Bromofluorobenzene	96	78 - 129	11/17/11 20:56	
Dibromofluoromethane	101	80 - 114	11/17/11 20:56	
Toluene-d8	100	87 - 118	11/17/11 20:56	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
1,2,4-Trichlorobenzene	0.632	U	5.26	0.632	1	11/22/11 09:20	11/17/11	
1,2-Dichlorobenzene	0.674	U	5.26	0.674	1	11/22/11 09:20	11/17/11	
1,3,5-Trinitrobenzene	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
1,3-Dichlorobenzene	0.969	U	5.26	0.969	1	11/22/11 09:20	11/17/11	
1,3-Dinitrobenzene	0.674	U	10.5	0.674	1	11/22/11 09:20	11/17/11	
1,4-Dichlorobenzene	**3.65**	**I**	5.26	0.958	1	11/22/11 09:20	11/17/11	
1,4-Naphthoquinone	1.69	U	10.5	1.69	1	11/22/11 09:20	11/17/11	
1-Naphthylamine	2.11	U	5.26	2.11	1	11/22/11 09:20	11/17/11	
2,3,4,6-Tetrachlorophenol	1.69	U	5.26	1.69	1	11/22/11 09:20	11/17/11	
2,4,5-Trichlorophenol	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
2,4,6-Trichlorophenol	0.937	U	5.26	0.937	1	11/22/11 09:20	11/17/11	
2,4-Dichlorophenol	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
2,4-Dimethylphenol	**4.29**	**I**	5.26	1.58	1	11/22/11 09:20	11/17/11	
2,4-Dinitrophenol	0.800	U	21.1	0.800	1	11/22/11 09:20	11/17/11	
2,4-Dinitrotoluene	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
2,6-Dichlorophenol	1.37	U	10.5	1.37	1	11/22/11 09:20	11/17/11	
2,6-Dinitrotoluene	1.16	U	5.26	1.16	1	11/22/11 09:20	11/17/11	
2-Acetylaminofluorene	1.02	U	5.26	1.02	1	11/22/11 09:20	11/17/11	
2-Chloronaphthalene	4.85	U	5.26	4.85	1	11/22/11 09:20	11/17/11	
2-Chlorophenol	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
2-Methylnaphthalene	0.664	U	5.26	0.664	1	11/22/11 09:20	11/17/11	
2-Methylphenol	**15.5**		5.26	1.37	1	11/22/11 09:20	11/17/11	
2-Naphthylamine	2.43	U	5.26	2.43	1	11/22/11 09:20	11/17/11	
2-Nitroaniline	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
2-Nitrophenol	1.48	U	21.1	1.48	1	11/22/11 09:20	11/17/11	
3- and 4-Methylphenol Coelution	1.06	U	5.26	1.06	1	11/22/11 09:20	11/17/11	
3,3'-Dichlorobenzidine	1.48	U	21.1	1.48	1	11/22/11 09:20	11/17/11	
3,3'-Dimethylbenzidine	5.06	U	21.1	5.06	1	11/22/11 09:20	11/17/11	
3-Methylcholanthrene	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
3-Nitroaniline	1.16	U	5.26	1.16	1	11/22/11 09:20	11/17/11	
4,6-Dinitro-2-methylphenol	1.06	U	21.1	1.06	1	11/22/11 09:20	11/17/11	
4-Aminobiphenyl	2.00	U	5.26	2.00	1	11/22/11 09:20	11/17/11	
4-Bromophenyl Phenyl Ether	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
4-Chloro-3-methylphenol	1.90	U	5.26	1.90	1	11/22/11 09:20	11/17/11	
4-Chloroaniline	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
4-Chlorophenyl Phenyl Ether	1.02	U	5.26	1.02	1	11/22/11 09:20	11/17/11	
4-Nitroaniline	1.06	U	5.26	1.06	1	11/22/11 09:20	11/17/11	
4-Nitrophenol	1.90	U	21.1	1.90	1	11/22/11 09:20	11/17/11	
5-Nitro-o-toluidine	1.16	U	5.26	1.16	1	11/22/11 09:20	11/17/11	
7,12-Dimethylbenz(a)anthracene	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
Acenaphthene	4.43	U	5.26	4.43	1	11/22/11 09:20	11/17/11	
Acenaphthylene	1.05	U	5.26	1.05	1	11/22/11 09:20	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	**2.32**	**I**	10.5	1.69	1	11/22/11 09:20	11/17/11	
Anthracene	1.69	U	5.26	1.69	1	11/22/11 09:20	11/17/11	
Benz(a)anthracene	1.06	U	5.26	1.06	1	11/22/11 09:20	11/17/11	
Benzo(a)pyrene	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
Benzo(b)fluoranthene	1.06	U	5.26	1.06	1	11/22/11 09:20	11/17/11	
Benzo(g,h,i)perylene	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
Benzo(k)fluoranthene	1.90	U	5.26	1.90	1	11/22/11 09:20	11/17/11	
Benzyl Alcohol	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
Bis(2-chloroethoxy)methane	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
Bis(2-chloroethyl) Ether	2.00	U	5.26	2.00	1	11/22/11 09:20	11/17/11	
Bis(2-chloroisopropyl) Ether	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
Bis(2-ethylhexyl) Phthalate	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
Butyl Benzyl Phthalate	**1.01**	**I**	10.5	0.906	1	11/22/11 09:20	11/17/11	
Chlorobenzilate	0.948	U	10.5	0.948	1	11/22/11 09:20	11/17/11	
Chrysene	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
Diallate	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
Dibenz(a,h)anthracene	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
Dibenzofuran	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
Diethyl Phthalate	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
Dimethoate	2.00	U	5.26	2.00	1	11/22/11 09:20	11/17/11	
Dimethyl Phthalate	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
Di-n-butyl Phthalate	2.32	U	5.26	2.32	1	11/22/11 09:20	11/17/11	
Di-n-octyl Phthalate	2.95	U	5.26	2.95	1	11/22/11 09:20	11/17/11	
Dinoseb	2.64	U	5.26	2.64	1	11/22/11 09:20	11/17/11	
Diphenylamine + n-Nitrosodiphenylamine	1.16	U	5.26	1.16	1	11/22/11 09:20	11/17/11	
Disulfoton	2.00	U	5.26	2.00	1	11/22/11 09:20	11/17/11	
Ethyl Methanesulfonate	1.69	U	5.26	1.69	1	11/22/11 09:20	11/17/11	
Famphur	2.00	U	10.5	2.00	1	11/22/11 09:20	11/17/11	
Fluoranthene	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
Fluorene	0.885	U	5.26	0.885	1	11/22/11 09:20	11/17/11	
Hexachlorobenzene	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
Hexachlorobutadiene	1.27	U	5.26	1.27	1	11/22/11 09:20	11/17/11	
Hexachlorocyclopentadiene	0.527	U	5.26	0.527	1	11/22/11 09:20	11/17/11	
Hexachloroethane	0.853	U	5.26	0.853	1	11/22/11 09:20	11/17/11	
Hexachloropropene	0.958	U	5.26	0.958	1	11/22/11 09:20	11/17/11	
Indeno(1,2,3-cd)pyrene	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
Isodrin	1.90	U	10.5	1.90	1	11/22/11 09:20	11/17/11	
Isophorone	**2.01**	**I**	5.26	1.90	1	11/22/11 09:20	11/17/11	
Isosafrole	1.05	U	5.26	1.05	1	11/22/11 09:20	11/17/11	
Kepone	4.00	U	52.6	4.00	1	11/22/11 09:20	11/17/11	
Methapyrilene	3.48	U	5.26	3.48	1	11/22/11 09:20	11/17/11	
Methyl Methanesulfonate	1.69	U	5.26	1.69	1	11/22/11 09:20	11/17/11	
Methyl Parathion	2.11	U	10.5	2.11	1	11/22/11 09:20	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	**2.20**	**I**	5.26	0.558	1	11/22/11 09:20	11/17/11	
Nitrobenzene	2.22	U	5.26	2.22	1	11/22/11 09:20	11/17/11	
N-Nitrosodiethylamine	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
N-Nitrosodimethylamine	1.02	U	5.26	1.02	1	11/22/11 09:20	11/17/11	
N-Nitrosodi-n-butylamine	1.58	U	5.26	1.58	1	11/22/11 09:20	11/17/11	
N-Nitrosodi-n-propylamine	2.32	U	5.26	2.32	1	11/22/11 09:20	11/17/11	
N-Nitrosomethylethylamine	1.02	U	5.26	1.02	1	11/22/11 09:20	11/17/11	
N-Nitrosopiperidine	1.37	U	5.26	1.37	1	11/22/11 09:20	11/17/11	
N-Nitrosopyrrolidine	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
O,O,O-Triethyl Phosphorothioate	0.958	U	21.1	0.958	1	11/22/11 09:20	11/17/11	
o-Toluidine	**8.85**		5.26	1.90	1	11/22/11 09:20	11/17/11	
Parathion	1.79	U	21.1	1.79	1	11/22/11 09:20	11/17/11	
p-Dimethylaminoazobenzene	1.16	U	5.26	1.16	1	11/22/11 09:20	11/17/11	
Pentachlorobenzene	0.937	U	5.26	0.937	1	11/22/11 09:20	11/17/11	
Pentachloronitrobenzene (PCNB)	2.64	U	5.26	2.64	1	11/22/11 09:20	11/17/11	
Pentachlorophenol (PCP)	1.16	U	21.1	1.16	1	11/22/11 09:20	11/17/11	
Phenacetin	2.22	U	5.26	2.22	1	11/22/11 09:20	11/17/11	
Phenanthrene	1.48	U	5.26	1.48	1	11/22/11 09:20	11/17/11	
Phenol	0.622	U	5.26	0.622	1	11/22/11 09:20	11/17/11	
Phorate	1.79	U	5.26	1.79	1	11/22/11 09:20	11/17/11	
p-Phenylenediamine	1.27	U	21.1	1.27	1	11/22/11 09:20	11/17/11	
Pronamide	1.79	U	21.1	1.79	1	11/22/11 09:20	11/17/11	
Pyrene	0.779	U	5.26	0.779	1	11/22/11 09:20	11/17/11	
Safrole	0.906	U	5.26	0.906	1	11/22/11 09:20	11/17/11	
Thionazin	1.90	U	10.5	1.90	1	11/22/11 09:20	11/17/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	37	13 - 133	11/22/11 09:20	
2-Fluorobiphenyl	27	22 - 105	11/22/11 09:20	
2-Fluorophenol	26	10 - 69	11/22/11 09:20	
Nitrobenzene-d5	42	10 - 123	11/22/11 09:20	
Phenol-d6	19	10 - 59	11/22/11 09:20	
p-Terphenyl-d14	6	20 - 128	11/22/11 09:20	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00655	U	0.0409	0.00655	2	11/18/11 12:12	11/15/11	
1,2-Dibromoethane (EDB)	0.0328	U	0.0409	0.0328	2	11/18/11 12:12	11/15/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	110	77 - 150	11/18/11 12:12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.00847	U	0.0220	0.00847	1	11/20/11 23:13	11/14/11	
4,4'-DDE	0.0102	U	0.0220	0.0102	1	11/20/11 23:13	11/14/11	
4,4'-DDT	0.00803	U	0.0220	0.00803	1	11/20/11 23:13	11/14/11	
Aldrin	0.0102	U	0.0220	0.0102	1	11/20/11 23:13	11/14/11	
alpha-BHC	0.0110	U	0.0220	0.0110	1	11/20/11 23:13	11/14/11	
alpha-Chlordane	0.00880	U	0.0220	0.00880	1	11/20/11 23:13	11/14/11	
beta-BHC	0.0198	U	0.0220	0.0198	1	11/20/11 23:13	11/14/11	
Chlordane	0.143	U	0.549	0.143	1	11/20/11 23:13	11/14/11	
delta-BHC	0.0198	U	0.0220	0.0198	1	11/20/11 23:13	11/14/11	
Dieldrin	0.00891	U	0.0220	0.00891	1	11/20/11 23:13	11/14/11	
Endosulfan I	0.00770	U	0.0220	0.00770	1	11/20/11 23:13	11/14/11	
Endosulfan II	0.00781	U	0.0220	0.00781	1	11/20/11 23:13	11/14/11	
Endosulfan Sulfate	0.00814	U	0.0220	0.00814	1	11/20/11 23:13	11/14/11	
Endrin	0.00869	U	0.0220	0.00869	1	11/20/11 23:13	11/14/11	
Endrin Aldehyde	0.00935	U	0.0220	0.00935	1	11/20/11 23:13	11/14/11	
Endrin Ketone	0.00825	U	0.0220	0.00825	1	11/20/11 23:13	11/14/11	
gamma-BHC (Lindane)	0.0198	U	0.0220	0.0198	1	11/20/11 23:13	11/14/11	
gamma-Chlordane	0.00858	U	0.0220	0.00858	1	11/20/11 23:13	11/14/11	
Heptachlor	0.00737	U	0.0220	0.00737	1	11/20/11 23:13	11/14/11	
Heptachlor Epoxide	0.0103	U	0.0220	0.0103	1	11/20/11 23:13	11/14/11	
Methoxychlor	0.00847	U	0.0440	0.00847	1	11/20/11 23:13	11/14/11	
Toxaphene	0.286	U	0.549	0.286	1	11/20/11 23:13	11/14/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	0	10 - 160	11/20/11 23:13	
Tetrachloro-m-xylene	26	22 - 126	11/20/11 23:13	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1105079-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.143	U	0.549	0.143	1	11/20/11 23:13	11/14/11	
Aroclor 1221	0.220	U	0.549	0.220	1	11/20/11 23:13	11/14/11	
Aroclor 1232	0.253	U	0.549	0.253	1	11/20/11 23:13	11/14/11	
Aroclor 1242	0.407	U	0.549	0.407	1	11/20/11 23:13	11/14/11	
Aroclor 1248	0.209	U	0.549	0.209	1	11/20/11 23:13	11/14/11	
Aroclor 1254	0.110	U	0.549	0.110	1	11/20/11 23:13	11/14/11	
Aroclor 1260	0.550	U	0.550	0.550	1	11/20/11 23:13	11/14/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	0	10 - 151	11/20/11 23:13	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Basis:**	NA
Lab Code:	J1105079-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total Recoverable	6010B	**103000**		ug/L	500	30	1	11/21/11	11/18/11	
Antimony, Total Recoverable	6020	**25.4**		ug/L	5.0	0.7	5	11/18/11	11/15/11	
Arsenic, Total Recoverable	6020	**96.0**		ug/L	5.0	2.4	5	11/18/11	11/15/11	
Barium, Total Recoverable	6020	**420**		ug/L	10	2	5	11/18/11	11/15/11	
Beryllium, Total Recoverable	6020	**1.3**	**I**	ug/L	2.5	0.2	5	11/18/11	11/15/11	
Cadmium, Total Recoverable	6020	0.6	U	ug/L	2.0	0.6	5	11/18/11	11/15/11	
Calcium, Total Recoverable	6010B	**139**		mg/L	0.50	0.13	1	11/21/11	11/18/11	
Chromium, Total Recoverable	6020	**504**		ug/L	5.0	0.6	5	11/18/11	11/15/11	
Cobalt, Total Recoverable	6020	**36.5**		ug/L	5.0	0.3	5	11/18/11	11/15/11	
Copper, Total Recoverable	6020	**41.0**		ug/L	5.0	0.6	5	11/18/11	11/15/11	
Iron, Total Recoverable	6010B	**3610**		ug/L	500	90	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**25.6**		ug/L	2.5	0.3	5	11/18/11	11/15/11	
Magnesium, Total Recoverable	6010B	**37.8**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Manganese, Total Recoverable	6020	**296**		ug/L	10	1.0	5	11/18/11	11/15/11	
Mercury, Total	7470A	**0.18**	**I**	ug/L	0.40	0.08	1	11/15/11	11/15/11	
Nickel, Total Recoverable	6020	**320**		ug/L	10	4	5	11/18/11	11/15/11	
Potassium, Total Recoverable	6010B	**828**		mg/L	10	0.2	1	11/21/11	11/18/11	
Selenium, Total Recoverable	6020	**155**		ug/L	10	6	5	11/18/11	11/15/11	
Silver, Total Recoverable	6020	0.2	U	ug/L	2.5	0.2	5	11/18/11	11/15/11	
Sodium, Total Recoverable	6010B	**2090**		mg/L	2.5	0.07	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	5	11/18/11	11/15/11	
Tin, Total Recoverable	6010B	7	U	ug/L	200	7	1	11/21/11	11/18/11	
Vanadium, Total Recoverable	6020	**810**		ug/L	10	2	5	11/18/11	11/15/11	
Zinc, Total Recoverable	6020	**104**		ug/L	25	5	5	11/18/11	11/15/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 09:30
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	L-6	**Basis:**	NA
Lab Code:	J1105079-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity as CaCO3, Total	SM 2320 B	**4410**		mg/L	25	25	5	11/14/11	NA	
Ammonia as Nitrogen	350.1	**990**		mg/L	1.0	0.5	100	11/14/11	NA	
Bicarbonate Alkalinity as CaCO3	SM 2320 B	**4410**		mg/L	25	25	5	11/14/11	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**186**		mg/L	2.0	2.0	1	11/11/11 16:30	NA	
Bromide	300.0	**13.2**		mg/L	4.0	0.6	20	11/14/11	NA	
Carbonate Alkalinity as CaCO3	SM 2320 B	25	U	mg/L	25	25	5	11/14/11	NA	
Chemical Oxygen Demand, Total	SM21 5220 D	**6800**		mg/L	1000	400	50	NA	11/21/11	
Chloride	300.0	**3000**		mg/L	25	4	50	11/11/11	NA	
Cyanide, Total	335.4	**37**		ug/L	10	7	1	11/16/11	11/15/11	
Fluoride	300.0	0.4	U	mg/L	4.0	0.4	20	11/14/11	NA	
Nitrate as Nitrogen	300.0	2	U	mg/L	10	2	50	11/11/11	NA	
Nitrite as Nitrogen	300.0	1	U	mg/L	10	1	50	11/11/11	NA	
Solids, Total Dissolved	SM 2540 C	**10400**		mg/L	200	200	20	11/15/11	NA	
Sulfate	300.0	10	U	mg/L	25	10	50	11/11/11	NA	
Sulfide, Total	376.1	0.4	U	mg/L	2.0	0.4	1	11/17/11	NA	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 00:00
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1105079-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190	U	1.00	0.190	1	11/17/11 19:55	
1,1,1-Trichloroethane (TCA)	0.170	U	1.00	0.170	1	11/17/11 19:55	
1,1,2,2-Tetrachloroethane	0.290	U	1.00	0.290	1	11/17/11 19:55	
1,1,2-Trichloroethane	0.400	U	1.00	0.400	1	11/17/11 19:55	
1,1-Dichloroethane (1,1-DCA)	0.300	U	1.00	0.300	1	11/17/11 19:55	
1,1-Dichloroethene (1,1-DCE)	0.160	U	1.00	0.160	1	11/17/11 19:55	
1,1-Dichloropropene	0.320	U	5.00	0.320	1	11/17/11 19:55	
1,2,3-Trichloropropane	0.420	U	2.00	0.420	1	11/17/11 19:55	
1,2,4-Trichlorobenzene	0.340	U	10.0	0.340	1	11/17/11 19:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.30	U	5.00	2.30	1	11/17/11 19:55	
1,2-Dibromoethane (EDB)	0.460	U	1.00	0.460	1	11/17/11 19:55	
1,2-Dichlorobenzene	0.480	U	1.00	0.480	1	11/17/11 19:55	
1,2-Dichloroethane	0.220	U	1.00	0.220	1	11/17/11 19:55	
1,2-Dichloropropane	0.190	U	1.00	0.190	1	11/17/11 19:55	
1,3-Dichlorobenzene	0.220	U	1.00	0.220	1	11/17/11 19:55	
1,3-Dichloropropane	0.180	U	1.00	0.180	1	11/17/11 19:55	
1,4-Dichlorobenzene	0.160	U	1.00	0.160	1	11/17/11 19:55	
2,2-Dichloropropane	0.460	U	1.00	0.460	1	11/17/11 19:55	
2-Butanone (MEK)	3.80	U	10.0	3.80	1	11/17/11 19:55	
2-Hexanone	2.20	U	25.0	2.20	1	11/17/11 19:55	
4-Methyl-2-pentanone (MIBK)	1.10	U	25.0	1.10	1	11/17/11 19:55	
Acetone	5.60	U	50.0	5.60	1	11/17/11 19:55	
Acetonitrile	18.0	U	25.0	18.0	1	11/17/11 19:55	
Acrolein	28.0	U	50.0	28.0	1	11/17/11 19:55	
Acrylonitrile	1.50	U	10.0	1.50	1	11/17/11 19:55	
Allyl Chloride	0.390	U	5.00	0.390	1	11/17/11 19:55	
Benzene	0.210	U	1.00	0.210	1	11/17/11 19:55	
Bromochloromethane	0.270	U	5.00	0.270	1	11/17/11 19:55	
Bromodichloromethane	0.220	U	1.00	0.220	1	11/17/11 19:55	
Bromoform	0.420	U	2.00	0.420	1	11/17/11 19:55	
Bromomethane	0.230	U	5.00	0.230	1	11/17/11 19:55	
Carbon Disulfide	2.40	U	10.0	2.40	1	11/17/11 19:55	
Carbon Tetrachloride	0.340	U	1.00	0.340	1	11/17/11 19:55	
Chlorobenzene	0.160	U	1.00	0.160	1	11/17/11 19:55	
Chloroethane	0.520	U	5.00	0.520	1	11/17/11 19:55	
Chloroform	0.350	U	1.00	0.350	1	11/17/11 19:55	
Chloromethane	0.360	U	1.00	0.360	1	11/17/11 19:55	
Chloroprene	0.120	U	1.00	0.120	1	11/17/11 19:55	
cis-1,2-Dichloroethene	0.360	U	1.00	0.360	1	11/17/11 19:55	
cis-1,3-Dichloropropene	0.200	U	1.00	0.200	1	11/17/11 19:55	
Dibromochloromethane	0.210	U	1.00	0.210	1	11/17/11 19:55	
Dibromomethane	0.360	U	5.00	0.360	1	11/17/11 19:55	
Dichlorodifluoromethane	0.230	U	20.0	0.230	1	11/17/11 19:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	11/10/11 00:00
Sample Matrix:	Water	**Date Received:**	11/11/11 14:15
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1105079-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.350	U	1.00	0.350	1	11/17/11 19:55	
Ethylbenzene	0.210	U	1.00	0.210	1	11/17/11 19:55	
Hexachlorobutadiene	0.600	U	10.0	0.600	1	11/17/11 19:55	
Iodomethane	2.70	U	5.00	2.70	1	11/17/11 19:55	
Isobutyl Alcohol	43.0	U	100	43.0	1	11/17/11 19:55	
m,p-Xylenes	0.310	U	2.00	0.310	1	11/17/11 19:55	
Methacrylonitrile	1.60	U	5.00	1.60	1	11/17/11 19:55	
Methyl Methacrylate	0.490	U	2.00	0.490	1	11/17/11 19:55	
Methylene Chloride	0.210	U	5.00	0.210	1	11/17/11 19:55	
Naphthalene	0.380	U	10.0	0.380	1	11/17/11 19:55	
o-Xylene	0.140	U	1.00	0.140	1	11/17/11 19:55	
Propionitrile	3.90	U	25.0	3.90	1	11/17/11 19:55	
Styrene	0.290	U	1.00	0.290	1	11/17/11 19:55	
Tetrachloroethene (PCE)	0.220	U	1.00	0.220	1	11/17/11 19:55	
Toluene	0.190	U	1.00	0.190	1	11/17/11 19:55	
trans-1,2-Dichloroethene	0.190	U	1.00	0.190	1	11/17/11 19:55	
trans-1,3-Dichloropropene	0.230	U	1.00	0.230	1	11/17/11 19:55	
trans-1,4-Dichloro-2-butene	2.20	U	20.0	2.20	1	11/17/11 19:55	
Trichloroethene (TCE)	0.360	U	1.00	0.360	1	11/17/11 19:55	
Trichlorofluoromethane	0.240	U	20.0	0.240	1	11/17/11 19:55	
Vinyl Acetate	1.90	U	10.0	1.90	1	11/17/11 19:55	
Vinyl Chloride	0.360	U	1.00	0.360	1	11/17/11 19:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	68 - 118	11/17/11 19:55	
4-Bromofluorobenzene	95	78 - 129	11/17/11 19:55	
Dibromofluoromethane	100	80 - 114	11/17/11 19:55	
Toluene-d8	108	87 - 118	11/17/11 19:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106642-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190	U	1.00	0.190	1	11/17/11 14:34	
1,1,1-Trichloroethane (TCA)	0.170	U	1.00	0.170	1	11/17/11 14:34	
1,1,2,2-Tetrachloroethane	0.290	U	1.00	0.290	1	11/17/11 14:34	
1,1,2-Trichloroethane	0.400	U	1.00	0.400	1	11/17/11 14:34	
1,1-Dichloroethane (1,1-DCA)	0.300	U	1.00	0.300	1	11/17/11 14:34	
1,1-Dichloroethene (1,1-DCE)	0.160	U	1.00	0.160	1	11/17/11 14:34	
1,1-Dichloropropene	0.320	U	5.00	0.320	1	11/17/11 14:34	
1,2,3-Trichloropropane	0.420	U	2.00	0.420	1	11/17/11 14:34	
1,2,4-Trichlorobenzene	0.340	U	10.0	0.340	1	11/17/11 14:34	
1,2-Dibromo-3-chloropropane (DBCP)	2.30	U	5.00	2.30	1	11/17/11 14:34	
1,2-Dibromoethane (EDB)	0.460	U	1.00	0.460	1	11/17/11 14:34	
1,2-Dichlorobenzene	0.480	U	1.00	0.480	1	11/17/11 14:34	
1,2-Dichloroethane	0.220	U	1.00	0.220	1	11/17/11 14:34	
1,2-Dichloropropane	0.190	U	1.00	0.190	1	11/17/11 14:34	
1,3-Dichlorobenzene	0.220	U	1.00	0.220	1	11/17/11 14:34	
1,3-Dichloropropane	0.180	U	1.00	0.180	1	11/17/11 14:34	
1,4-Dichlorobenzene	0.160	U	1.00	0.160	1	11/17/11 14:34	
2,2-Dichloropropane	0.460	U	1.00	0.460	1	11/17/11 14:34	
2-Butanone (MEK)	3.80	U	10.0	3.80	1	11/17/11 14:34	
2-Hexanone	2.20	U	25.0	2.20	1	11/17/11 14:34	
4-Methyl-2-pentanone (MIBK)	1.10	U	25.0	1.10	1	11/17/11 14:34	
Acetone	5.60	U	50.0	5.60	1	11/17/11 14:34	
Acetonitrile	18.0	U	25.0	18.0	1	11/17/11 14:34	
Acrolein	28.0	U	50.0	28.0	1	11/17/11 14:34	
Acrylonitrile	1.50	U	10.0	1.50	1	11/17/11 14:34	
Allyl Chloride	0.390	U	5.00	0.390	1	11/17/11 14:34	
Benzene	0.210	U	1.00	0.210	1	11/17/11 14:34	
Bromochloromethane	0.270	U	5.00	0.270	1	11/17/11 14:34	
Bromodichloromethane	0.220	U	1.00	0.220	1	11/17/11 14:34	
Bromoform	0.420	U	2.00	0.420	1	11/17/11 14:34	
Bromomethane	0.230	U	5.00	0.230	1	11/17/11 14:34	
Carbon Disulfide	2.40	U	10.0	2.40	1	11/17/11 14:34	
Carbon Tetrachloride	0.340	U	1.00	0.340	1	11/17/11 14:34	
Chlorobenzene	0.160	U	1.00	0.160	1	11/17/11 14:34	
Chloroethane	0.520	U	5.00	0.520	1	11/17/11 14:34	
Chloroform	0.350	U	1.00	0.350	1	11/17/11 14:34	
Chloromethane	0.360	U	1.00	0.360	1	11/17/11 14:34	
Chloroprene	0.120	U	1.00	0.120	1	11/17/11 14:34	
cis-1,2-Dichloroethene	0.360	U	1.00	0.360	1	11/17/11 14:34	
cis-1,3-Dichloropropene	0.200	U	1.00	0.200	1	11/17/11 14:34	
Dibromochloromethane	0.210	U	1.00	0.210	1	11/17/11 14:34	
Dibromomethane	0.360	U	5.00	0.360	1	11/17/11 14:34	
Dichlorodifluoromethane	0.230	U	20.0	0.230	1	11/17/11 14:34	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106642-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.350	U	1.00	0.350	1	11/17/11 14:34	
Ethylbenzene	0.210	U	1.00	0.210	1	11/17/11 14:34	
Hexachlorobutadiene	0.600	U	10.0	0.600	1	11/17/11 14:34	
Iodomethane	2.70	U	5.00	2.70	1	11/17/11 14:34	
Isobutyl Alcohol	43.0	U	100	43.0	1	11/17/11 14:34	
m,p-Xylenes	0.310	U	2.00	0.310	1	11/17/11 14:34	
Methacrylonitrile	1.60	U	5.00	1.60	1	11/17/11 14:34	
Methyl Methacrylate	0.490	U	2.00	0.490	1	11/17/11 14:34	
Methylene Chloride	0.210	U	5.00	0.210	1	11/17/11 14:34	
Naphthalene	0.380	U	10.0	0.380	1	11/17/11 14:34	
o-Xylene	0.140	U	1.00	0.140	1	11/17/11 14:34	
Propionitrile	3.90	U	25.0	3.90	1	11/17/11 14:34	
Styrene	0.290	U	1.00	0.290	1	11/17/11 14:34	
Tetrachloroethene (PCE)	0.220	U	1.00	0.220	1	11/17/11 14:34	
Toluene	0.190	U	1.00	0.190	1	11/17/11 14:34	
trans-1,2-Dichloroethene	0.190	U	1.00	0.190	1	11/17/11 14:34	
trans-1,3-Dichloropropene	0.230	U	1.00	0.230	1	11/17/11 14:34	
trans-1,4-Dichloro-2-butene	2.20	U	20.0	2.20	1	11/17/11 14:34	
Trichloroethene (TCE)	0.360	U	1.00	0.360	1	11/17/11 14:34	
Trichlorofluoromethane	0.240	U	20.0	0.240	1	11/17/11 14:34	
Vinyl Acetate	1.90	U	10.0	1.90	1	11/17/11 14:34	
Vinyl Chloride	0.360	U	1.00	0.360	1	11/17/11 14:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	68 - 118	11/17/11 14:34	
4-Bromofluorobenzene	86	78 - 129	11/17/11 14:34	
Dibromofluoromethane	104	80 - 114	11/17/11 14:34	
Toluene-d8	101	87 - 118	11/17/11 14:34	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106599-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
1,2,4-Trichlorobenzene	0.600	U	5.00	0.600	1	11/17/11 16:42	11/17/11	
1,2-Dichlorobenzene	0.640	U	5.00	0.640	1	11/17/11 16:42	11/17/11	
1,3,5-Trinitrobenzene	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
1,3-Dichlorobenzene	0.920	U	5.00	0.920	1	11/17/11 16:42	11/17/11	
1,3-Dinitrobenzene	0.640	U	10.0	0.640	1	11/17/11 16:42	11/17/11	
1,4-Dichlorobenzene	0.910	U	5.00	0.910	1	11/17/11 16:42	11/17/11	
1,4-Naphthoquinone	1.60	U	10.0	1.60	1	11/17/11 16:42	11/17/11	
1-Naphthylamine	2.00	U	5.00	2.00	1	11/17/11 16:42	11/17/11	
2,3,4,6-Tetrachlorophenol	1.60	U	5.00	1.60	1	11/17/11 16:42	11/17/11	
2,4,5-Trichlorophenol	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
2,4,6-Trichlorophenol	0.890	U	5.00	0.890	1	11/17/11 16:42	11/17/11	
2,4-Dichlorophenol	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
2,4-Dimethylphenol	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
2,4-Dinitrophenol	0.760	U	20.0	0.760	1	11/17/11 16:42	11/17/11	
2,4-Dinitrotoluene	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
2,6-Dichlorophenol	1.30	U	10.0	1.30	1	11/17/11 16:42	11/17/11	
2,6-Dinitrotoluene	1.10	U	5.00	1.10	1	11/17/11 16:42	11/17/11	
2-Acetylaminofluorene	0.960	U	5.00	0.960	1	11/17/11 16:42	11/17/11	
2-Chloronaphthalene	4.60	U	5.00	4.60	1	11/17/11 16:42	11/17/11	
2-Chlorophenol	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
2-Methylnaphthalene	0.630	U	5.00	0.630	1	11/17/11 16:42	11/17/11	
2-Methylphenol	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
2-Naphthylamine	2.30	U	5.00	2.30	1	11/17/11 16:42	11/17/11	
2-Nitroaniline	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
2-Nitrophenol	1.40	U	20.0	1.40	1	11/17/11 16:42	11/17/11	
3- and 4-Methylphenol Coelution	1.00	U	5.00	1.00	1	11/17/11 16:42	11/17/11	
3,3'-Dichlorobenzidine	1.40	U	20.0	1.40	1	11/17/11 16:42	11/17/11	
3,3'-Dimethylbenzidine	4.80	U	20.0	4.80	1	11/17/11 16:42	11/17/11	
3-Methylcholanthrene	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
3-Nitroaniline	1.10	U	5.00	1.10	1	11/17/11 16:42	11/17/11	
4,6-Dinitro-2-methylphenol	1.00	U	20.0	1.00	1	11/17/11 16:42	11/17/11	
4-Aminobiphenyl	1.90	U	5.00	1.90	1	11/17/11 16:42	11/17/11	
4-Bromophenyl Phenyl Ether	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
4-Chloro-3-methylphenol	1.80	U	5.00	1.80	1	11/17/11 16:42	11/17/11	
4-Chloroaniline	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
4-Chlorophenyl Phenyl Ether	0.960	U	5.00	0.960	1	11/17/11 16:42	11/17/11	
4-Nitroaniline	1.00	U	5.00	1.00	1	11/17/11 16:42	11/17/11	
4-Nitrophenol	1.80	U	20.0	1.80	1	11/17/11 16:42	11/17/11	
5-Nitro-o-toluidine	1.10	U	5.00	1.10	1	11/17/11 16:42	11/17/11	
7,12-Dimethylbenz(a)anthracene	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
Acenaphthene	4.20	U	5.00	4.20	1	11/17/11 16:42	11/17/11	
Acenaphthylene	0.990	U	5.00	0.990	1	11/17/11 16:42	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106599-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.60	U	10.0	1.60	1	11/17/11 16:42	11/17/11	
Anthracene	1.60	U	5.00	1.60	1	11/17/11 16:42	11/17/11	
Benz(a)anthracene	1.00	U	5.00	1.00	1	11/17/11 16:42	11/17/11	
Benzo(a)pyrene	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
Benzo(b)fluoranthene	1.00	U	5.00	1.00	1	11/17/11 16:42	11/17/11	
Benzo(g,h,i)perylene	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
Benzo(k)fluoranthene	1.80	U	5.00	1.80	1	11/17/11 16:42	11/17/11	
Benzyl Alcohol	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
Bis(2-chloroethoxy)methane	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
Bis(2-chloroethyl) Ether	1.90	U	5.00	1.90	1	11/17/11 16:42	11/17/11	
Bis(2-chloroisopropyl) Ether	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
Bis(2-ethylhexyl) Phthalate	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
Butyl Benzyl Phthalate	0.860	U	10.0	0.860	1	11/17/11 16:42	11/17/11	
Chlorobenzilate	0.900	U	10.0	0.900	1	11/17/11 16:42	11/17/11	
Chrysene	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
Diallate	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
Dibenz(a,h)anthracene	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
Dibenzofuran	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
Diethyl Phthalate	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
Dimethoate	1.90	U	5.00	1.90	1	11/17/11 16:42	11/17/11	
Dimethyl Phthalate	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
Di-n-butyl Phthalate	2.20	U	5.00	2.20	1	11/17/11 16:42	11/17/11	
Di-n-octyl Phthalate	2.80	U	5.00	2.80	1	11/17/11 16:42	11/17/11	
Dinoseb	2.50	U	5.00	2.50	1	11/17/11 16:42	11/17/11	
Diphenylamine + n-Nitrosodiphenylamine	1.10	U	5.00	1.10	1	11/17/11 16:42	11/17/11	
Disulfoton	1.90	U	5.00	1.90	1	11/17/11 16:42	11/17/11	
Ethyl Methanesulfonate	1.60	U	5.00	1.60	1	11/17/11 16:42	11/17/11	
Famphur	1.90	U	10.0	1.90	1	11/17/11 16:42	11/17/11	
Fluoranthene	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
Fluorene	0.840	U	5.00	0.840	1	11/17/11 16:42	11/17/11	
Hexachlorobenzene	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
Hexachlorobutadiene	1.20	U	5.00	1.20	1	11/17/11 16:42	11/17/11	
Hexachlorocyclopentadiene	0.500	U	5.00	0.500	1	11/17/11 16:42	11/17/11	
Hexachloroethane	0.810	U	5.00	0.810	1	11/17/11 16:42	11/17/11	
Hexachloropropene	0.910	U	5.00	0.910	1	11/17/11 16:42	11/17/11	
Indeno(1,2,3-cd)pyrene	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
Isodrin	1.80	U	10.0	1.80	1	11/17/11 16:42	11/17/11	
Isophorone	1.80	U	5.00	1.80	1	11/17/11 16:42	11/17/11	
Isosafrole	0.990	U	5.00	0.990	1	11/17/11 16:42	11/17/11	
Kepone	3.80	U	50.0	3.80	1	11/17/11 16:42	11/17/11	
Methapyrilene	3.30	U	5.00	3.30	1	11/17/11 16:42	11/17/11	
Methyl Methanesulfonate	1.60	U	5.00	1.60	1	11/17/11 16:42	11/17/11	
Methyl Parathion	2.00	U	10.0	2.00	1	11/17/11 16:42	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106599-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.530	U	5.00	0.530	1	11/17/11 16:42	11/17/11	
Nitrobenzene	2.10	U	5.00	2.10	1	11/17/11 16:42	11/17/11	
N-Nitrosodiethylamine	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
N-Nitrosodimethylamine	0.960	U	5.00	0.960	1	11/17/11 16:42	11/17/11	
N-Nitrosodi-n-butylamine	1.50	U	5.00	1.50	1	11/17/11 16:42	11/17/11	
N-Nitrosodi-n-propylamine	2.20	U	5.00	2.20	1	11/17/11 16:42	11/17/11	
N-Nitrosomethylethylamine	0.960	U	5.00	0.960	1	11/17/11 16:42	11/17/11	
N-Nitrosopiperidine	1.30	U	5.00	1.30	1	11/17/11 16:42	11/17/11	
N-Nitrosopyrrolidine	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
O,O,O-Triethyl Phosphorothioate	0.910	U	20.0	0.910	1	11/17/11 16:42	11/17/11	
o-Toluidine	1.80	U	5.00	1.80	1	11/17/11 16:42	11/17/11	
Parathion	1.70	U	20.0	1.70	1	11/17/11 16:42	11/17/11	
p-Dimethylaminoazobenzene	1.10	U	5.00	1.10	1	11/17/11 16:42	11/17/11	
Pentachlorobenzene	0.890	U	5.00	0.890	1	11/17/11 16:42	11/17/11	
Pentachloronitrobenzene (PCNB)	2.50	U	5.00	2.50	1	11/17/11 16:42	11/17/11	
Pentachlorophenol (PCP)	1.10	U	20.0	1.10	1	11/17/11 16:42	11/17/11	
Phenacetin	2.10	U	5.00	2.10	1	11/17/11 16:42	11/17/11	
Phenanthrene	1.40	U	5.00	1.40	1	11/17/11 16:42	11/17/11	
Phenol	0.590	U	5.00	0.590	1	11/17/11 16:42	11/17/11	
Phorate	1.70	U	5.00	1.70	1	11/17/11 16:42	11/17/11	
p-Phenylenediamine	1.20	U	20.0	1.20	1	11/17/11 16:42	11/17/11	
Pronamide	1.70	U	20.0	1.70	1	11/17/11 16:42	11/17/11	
Pyrene	0.740	U	5.00	0.740	1	11/17/11 16:42	11/17/11	
Safrole	0.860	U	5.00	0.860	1	11/17/11 16:42	11/17/11	
Thionazin	1.80	U	10.0	1.80	1	11/17/11 16:42	11/17/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	13 - 133	11/17/11 16:42	
2-Fluorobiphenyl	86	22 - 105	11/17/11 16:42	
2-Fluorophenol	53	10 - 69	11/17/11 16:42	
Nitrobenzene-d5	82	10 - 123	11/17/11 16:42	
Phenol-d6	38	10 - 59	11/17/11 16:42	
p-Terphenyl-d14	78	20 - 128	11/17/11 16:42	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106544-01	**Basis:**	NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00320	U	0.0200	0.00320	1	11/18/11 10:35	11/15/11	
1,2-Dibromoethane (EDB)	0.0160	U	0.0200	0.0160	1	11/18/11 10:35	11/15/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	125	77 - 150	11/18/11 10:35	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106500-01	**Basis:**	NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.00770	U	0.0200	0.00770	1	11/19/11 02:14	11/14/11	
4,4'-DDE	0.00920	U	0.0200	0.00920	1	11/19/11 02:14	11/14/11	
4,4'-DDT	0.00730	U	0.0200	0.00730	1	11/19/11 02:14	11/14/11	
Aldrin	0.00920	U	0.0200	0.00920	1	11/19/11 02:14	11/14/11	
alpha-BHC	0.0100	U	0.0200	0.0100	1	11/19/11 02:14	11/14/11	
alpha-Chlordane	0.00800	U	0.0200	0.00800	1	11/19/11 02:14	11/14/11	
beta-BHC	0.0180	U	0.0200	0.0180	1	11/19/11 02:14	11/14/11	
Chlordane	0.130	U	0.500	0.130	1	11/19/11 02:14	11/14/11	
delta-BHC	0.0180	U	0.0200	0.0180	1	11/19/11 02:14	11/14/11	
Dieldrin	0.00810	U	0.0200	0.00810	1	11/19/11 02:14	11/14/11	
Endosulfan I	0.00700	U	0.0200	0.00700	1	11/19/11 02:14	11/14/11	
Endosulfan II	0.00710	U	0.0200	0.00710	1	11/19/11 02:14	11/14/11	
Endosulfan Sulfate	0.00740	U	0.0200	0.00740	1	11/19/11 02:14	11/14/11	
Endrin	0.00790	U	0.0200	0.00790	1	11/19/11 02:14	11/14/11	
Endrin Aldehyde	0.00850	U	0.0200	0.00850	1	11/19/11 02:14	11/14/11	
Endrin Ketone	0.00750	U	0.0200	0.00750	1	11/20/11 22:27	11/14/11	
gamma-BHC (Lindane)	0.0180	U	0.0200	0.0180	1	11/19/11 02:14	11/14/11	
gamma-Chlordane	0.00780	U	0.0200	0.00780	1	11/19/11 02:14	11/14/11	
Heptachlor	0.00670	U	0.0200	0.00670	1	11/19/11 02:14	11/14/11	
Heptachlor Epoxide	0.00930	U	0.0200	0.00930	1	11/19/11 02:14	11/14/11	
Methoxychlor	0.00770	U	0.0400	0.00770	1	11/19/11 02:14	11/14/11	
Toxaphene	0.260	U	0.500	0.260	1	11/19/11 02:14	11/14/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	103	10 - 160	11/19/11 02:14	
Tetrachloro-m-xylene	91	22 - 126	11/19/11 02:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106500-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.130	U	0.500	0.130	1	11/19/11 02:14	11/14/11	
Aroclor 1221	0.200	U	0.500	0.200	1	11/19/11 02:14	11/14/11	
Aroclor 1232	0.230	U	0.500	0.230	1	11/19/11 02:14	11/14/11	
Aroclor 1242	0.370	U	0.500	0.370	1	11/19/11 02:14	11/14/11	
Aroclor 1248	0.190	U	0.500	0.190	1	11/19/11 02:14	11/14/11	
Aroclor 1254	0.100	U	0.500	0.100	1	11/19/11 02:14	11/14/11	
Aroclor 1260	0.500	U	0.500	0.500	1	11/19/11 02:14	11/14/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	103	10 - 151	11/19/11 02:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105079-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total Recoverable	6010B	6	U	ug/L	100	6	1	11/21/11	11/18/11	
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	11/18/11	11/15/11	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	11/18/11	11/15/11	
Barium, Total Recoverable	6020	**0.5**	**I**	ug/L	2.0	0.4	1	11/18/11	11/15/11	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	11/18/11	11/15/11	
Cadmium, Total Recoverable	6020	0.12	U	ug/L	0.40	0.12	1	11/18/11	11/15/11	
Calcium, Total Recoverable	6010B	0.03	U	mg/L	0.10	0.03	1	11/21/11	11/18/11	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	11/18/11	11/15/11	
Cobalt, Total Recoverable	6020	0.06	U	ug/L	1.0	0.06	1	11/18/11	11/15/11	
Copper, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	11/18/11	11/15/11	
Iron, Total Recoverable	6010B	20	U	ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	11/18/11	11/15/11	
Magnesium, Total Recoverable	6010B	**0.008**	**I**	mg/L	0.10	0.004	1	11/21/11	11/18/11	
Manganese, Total Recoverable	6020	0.2	U	ug/L	2.0	0.2	1	11/18/11	11/15/11	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	11/15/11	11/15/11	
Nickel, Total Recoverable	6020	0.8	U	ug/L	2.0	0.8	1	11/18/11	11/15/11	
Potassium, Total Recoverable	6010B	**0.1**	**I**	mg/L	2.0	0.04	1	11/21/11	11/18/11	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	11/18/11	11/15/11	
Silver, Total Recoverable	6020	0.03	U	ug/L	0.50	0.03	1	11/18/11	11/15/11	
Sodium, Total Recoverable	6010B	0.02	U	mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	11/18/11	11/15/11	
Tin, Total Recoverable	6010B	2	U	ug/L	40	2	1	11/21/11	11/18/11	
Vanadium, Total Recoverable	6020	0.4	U	ug/L	2.0	0.4	1	11/18/11	11/15/11	
Zinc, Total Recoverable	6020	**1.0**	**I**	ug/L	5.0	0.9	1	11/18/11	11/15/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105079-MB		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity as CaCO3, Total	SM 2320 B	5.0	U	mg/L	5.0	5.0	1	11/14/11	NA	
Ammonia as Nitrogen	350.1	0.005	U	mg/L	0.010	0.005	1	11/14/11	NA	
Bicarbonate Alkalinity as CaCO3	SM 2320 B	5.0	U	mg/L	5.0	5.0	1	11/14/11	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B	2.0	U	mg/L	2.0	2.0	1	11/11/11 13:05	NA	
Bromide	300.0	0.03	U	mg/L	0.20	0.03	1	11/14/11	NA	
Carbonate Alkalinity as CaCO3	SM 2320 B	5.0	U	mg/L	5.0	5.0	1	11/14/11	NA	
Chemical Oxygen Demand, Total	SM21 5220 D	8	U	mg/L	20	8	1	NA	11/21/11	
Chloride	300.0	0.07	U	mg/L	0.50	0.07	1	11/11/11	NA	
Cyanide, Total	335.4	7	U	ug/L	10	7	1	11/16/11	11/15/11	
Fluoride	300.0	0.02	U	mg/L	0.20	0.02	1	11/14/11	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	11/11/11	NA	
Nitrite as Nitrogen	300.0	0.02	U	mg/L	0.20	0.02	1	11/11/11	NA	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	11/15/11	NA	
Sulfate	300.0	0.20	U	mg/L	0.50	0.20	1	11/11/11	NA	
Sulfide, Total	376.1	0.4	U	mg/L	2.0	0.4	1	11/17/11	NA	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C

Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 13 - 133	2-Fluorobiphenyl 22 - 105	2-Fluorophenol 10 - 69
L-6	J1105079-001	37	27	26
Method Blank	JQ1106599-01	92	86	53
Lab Control Sample	JQ1106599-02	84	74	53

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 10 - 123	Phenol-d6 10 - 59	p-Terphenyl-d14 20 - 128
L-6	J1105079-001	42	19	6
Method Blank	JQ1106599-01	82	38	78
Lab Control Sample	JQ1106599-02	84	35	76

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code
L-6	J1105079-001
Method Blank	JQ1106599-01
Lab Control Sample	JQ1106599-02

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 68 - 118	4-Bromofluorobenzene 78 - 129	Dibromofluoromethane 80 - 114
L-6	J1105079-001	98	96	101
Trip Blank	J1105079-002	98	95	100
Lab Control Sample	JQ1106642-01	99	88	108
Method Blank	JQ1106642-02	101	86	104

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 87 - 118
L-6	J1105079-001	100
Trip Blank	J1105079-002	108
Lab Control Sample	JQ1106642-01	102
Method Blank	JQ1106642-02	101

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10 - 151
L-6	J1105079-001	0
Method Blank	JQ1106500-01	103
Lab Control Sample	JQ1106500-03	58

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10 - 160	Tetrachloro-m-xylene 22 - 126
L-6	J1105079-001	0	26
Method Blank	JQ1106500-01	103	91
Lab Control Sample	JQ1106500-02	57	88

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane 77 - 150
L-6	J1105079-001	110
Method Blank	JQ1106544-01	125
Lab Control Sample	JQ1106544-02	124

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF **Date Analyzed:** 11/17/11

Sample Matrix: Water

Lab Control Sample Summary

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:** ug/L

Basis: NA

Analysis Lot: 270234

Lab Control Sample

JQ1106642-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	20.3	20.0	102	79-120
1,1,1-Trichloroethane (TCA)	18.3	20.0	92	78-120
1,1,2,2-Tetrachloroethane	18.5	20.0	93	65-137
1,1,2-Trichloroethane	19.9	20.0	100	81-121
1,1-Dichloroethane (1,1-DCA)	20.9	20.0	104	83-119
1,1-Dichloroethene (1,1-DCE)	20.1	20.0	101	79-123
1,1-Dichloropropene	20.6	20.0	103	81-120
1,2,3-Trichloropropane	17.8	20.0	89	71-129
1,2,4-Trichlorobenzene	20.4	20.0	102	53-146
1,2-Dibromo-3-chloropropane (DBCP)	18.8	20.0	94	36-143
1,2-Dibromoethane (EDB)	19.9	20.0	100	80-122
1,2-Dichlorobenzene	18.9	20.0	94	79-114
1,2-Dichloroethane	19.9	20.0	100	73-120
1,2-Dichloropropane	19.9	20.0	100	86-116
1,3-Dichlorobenzene	17.3	20.0	87	79-122
1,3-Dichloropropane	19.1	20.0	95	83-119
1,4-Dichlorobenzene	18.9	20.0	94	77-117
2,2-Dichloropropane	24.0	20.0	120	61-135
2-Butanone (MEK)	95.5	100	96	38-152
2-Hexanone	99.3	100	99	63-131
4-Methyl-2-pentanone (MIBK)	97.6	100	98	69-127
Acetone	102	100	102	45-157
Acetonitrile	98.8	100	99	10-189
Acrolein	88.4	100	88	10-184
Acrylonitrile	88.8	100	89	56-139
Allyl Chloride	20.1	20.0	101	51-146
Benzene	19.8	20.0	99	83-118
Bromochloromethane	19.2	20.0	96	82-117
Bromodichloromethane	18.3	20.0	92	77-120
Bromoform	17.5	20.0	87	38-149
Bromomethane	10.4	20.0	52 *	78-132
Carbon Disulfide	123	100	123	74-132
Carbon Tetrachloride	19.6	20.0	98	67-129
Chlorobenzene	18.5	20.0	92	83-122
Chloroethane	21.4	20.0	107	80-129
Chloroform	20.2	20.0	101	81-118
Chloromethane	20.0	20.0	100	61-138
Chloroprene	19.7	20.0	99	73-126
cis-1,2-Dichloroethene	21.3	20.0	106	74-127
cis-1,3-Dichloropropene	20.4	20.0	102	80-120
Dibromochloromethane	18.6	20.0	93	71-122
Dibromomethane	20.3	20.0	102	73-125

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF **Date Analyzed:** 11/17/11

Sample Matrix: Water

Lab Control Sample Summary

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:** ug/L

Basis: NA

Analysis Lot: 270234

Lab Control Sample

JQ1106642-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane	32.2	20.0	161 *	57-139
Ethyl Methacrylate	17.7	20.0	88	62-140
Ethylbenzene	19.1	20.0	95	82-124
Hexachlorobutadiene	22.7	20.0	113	60-149
Iodomethane	76.6	100	77 *	78-128
Isobutyl Alcohol	424	400	106	10-201
m,p-Xylenes	38.7	40.0	97	82-125
Methacrylonitrile	19.4	20.0	97	46-154
Methyl Methacrylate	21.5	20.0	107	55-148
Methylene Chloride	18.2	20.0	91	70-134
Naphthalene	21.7	20.0	108	54-140
o-Xylene	19.2	20.0	96	82-122
Propionitrile	94.4	100	94	24-172
Styrene	18.2	20.0	91	82-123
Tetrachloroethene (PCE)	23.3	20.0	116	77-129
Toluene	20.7	20.0	104	82-122
trans-1,2-Dichloroethene	21.5	20.0	107	81-119
trans-1,3-Dichloropropene	18.6	20.0	93	71-124
trans-1,4-Dichloro-2-butene	17.3	20.0	86	10-172
Trichloroethene (TCE)	20.4	20.0	102	81-120
Trichlorofluoromethane	22.1	20.0	111	72-127
Vinyl Acetate	104	100	104	50-145
Vinyl Chloride	24.7	20.0	123	72-133

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079
Project: JED SWDF **Date Analyzed:** 11/17/11
Sample Matrix: Water

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C **Units:** ug/L
Prep Method: EPA 3510C **Basis:** NA
Analysis Lot: 270477

Lab Control Sample
JQ1106599-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4,5-Tetrachlorobenzene	41.5	50.0	83	46-108
1,2,4-Trichlorobenzene	39.6	50.0	79	38-105
1,2-Dichlorobenzene	40.5	50.0	81	32-103
1,3,5-Trinitrobenzene	49.6	50.0	99	51-144
1,3-Dichlorobenzene	46.0	50.0	92	29-103
1,3-Dinitrobenzene	43.0	50.0	86	53-125
1,4-Dichlorobenzene	42.9	50.0	86	34-99
1,4-Naphthoquinone	48.5	50.0	97	32-134
1-Naphthylamine	41.4	50.0	83	13-145
2,3,4,6-Tetrachlorophenol	42.3	50.0	85	52-123
2,4,5-Trichlorophenol	43.1	50.0	86	51-126
2,4,6-Trichlorophenol	41.8	50.0	84	51-120
2,4-Dichlorophenol	45.7	50.0	91	46-115
2,4-Dimethylphenol	41.1	50.0	82	17-128
2,4-Dinitrophenol	39.1	50.0	78	29-131
2,4-Dinitrotoluene	42.7	50.0	85	59-133
2,6-Dichlorophenol	42.8	50.0	86	49-114
2,6-Dinitrotoluene	43.2	50.0	86	58-120
2-Acetylaminofluorene	43.2	50.0	86	53-157
2-Chloronaphthalene	40.9	50.0	82	53-108
2-Chlorophenol	41.6	50.0	83	31-107
2-Methylnaphthalene	43.9	50.0	88	47-113
2-Methylphenol	39.8	50.0	80	26-108
2-Naphthylamine	41.8	50.0	84	10-165
2-Nitroaniline	43.0	50.0	86	62-126
2-Nitrophenol	41.9	50.0	84	45-110
3- and 4-Methylphenol Coelution	36.9	50.0	74	23-104
3,3'-Dichlorobenzidine	46.2	50.0	92	56-137
3,3'-Dimethylbenzidine	55.0	50.0	110	10-172
3-Methylcholanthrene	42.6	50.0	85	34-154
3-Nitroaniline	43.7	50.0	87	57-116
4,6-Dinitro-2-methylphenol	44.3	50.0	89	32-141
4-Aminobiphenyl	44.7	50.0	89	35-142
4-Bromophenyl Phenyl Ether	46.0	50.0	92	62-120
4-Chloro-3-methylphenol	42.0	50.0	84	49-124
4-Chloroaniline	43.0	50.0	86	10-142
4-Chlorophenyl Phenyl Ether	41.7	50.0	83	58-124
4-Nitroaniline	42.8	50.0	86	60-121
4-Nitrophenol	28.7	50.0	57	10-78
5-Nitro-o-toluidine	40.5	50.0	81	64-126
7,12-Dimethylbenz(a)anthracene	42.9	50.0	86	15-165
Acenaphthene	41.1	50.0	82	56-114

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF **Date Analyzed:** 11/17/11

Sample Matrix: Water

Lab Control Sample Summary

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C **Units:** ug/L

Prep Method: EPA 3510C **Basis:** NA

Analysis Lot: 270477

Lab Control Sample

JQ1106599-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Acenaphthylene	40.2	50.0	80	53-119
Acetophenone	46.3	50.0	93	44-112
Anthracene	42.4	50.0	85	59-127
Benz(a)anthracene	46.0	50.0	92	61-140
Benzo(a)pyrene	45.3	50.0	91	51-151
Benzo(b)fluoranthene	49.9	50.0	100	55-144
Benzo(g,h,i)perylene	45.8	50.0	92	48-162
Benzo(k)fluoranthene	40.1	50.0	80	61-131
Benzyl Alcohol	41.4	50.0	83	26-101
Bis(2-chloroethoxy)methane	43.4	50.0	87	55-110
Bis(2-chloroethyl) Ether	42.7	50.0	85	42-103
Bis(2-chloroisopropyl) Ether	45.7	50.0	91	32-137
Bis(2-ethylhexyl) Phthalate	43.9	50.0	88	61-143
Butyl Benzyl Phthalate	44.7	50.0	89	57-145
Chlorobenzilate	44.7	50.0	89	28-192
Chrysene	43.7	50.0	87	65-127
Diallate	45.4	50.0	91	60-126
Dibenz(a,h)anthracene	44.1	50.0	88	49-166
Dibenzofuran	41.8	50.0	84	56-122
Diethyl Phthalate	41.8	50.0	84	63-122
Dimethoate	44.1	50.0	88	52-154
Dimethyl Phthalate	43.1	50.0	86	60-120
Di-n-butyl Phthalate	46.7	50.0	93	62-133
Di-n-octyl Phthalate	44.9	50.0	90	57-151
Diphenylamine + n-Nitrosodiphenylamine	41.5	50.0	83	59-120
Disulfoton	40.8	50.0	82	41-139
Ethyl Methanesulfonate	44.7	50.0	89	40-108
Famphur	45.9	50.0	92	51-195
Fluoranthene	46.7	50.0	93	61-137
Fluorene	40.0	50.0	80	55-119
Hexachlorobenzene	49.0	50.0	98	49-140
Hexachlorobutadiene	45.0	50.0	90	18-131
Hexachlorocyclopentadiene	39.9	50.0	80	32-112
Hexachloroethane	43.1	50.0	86	26-112
Hexachloropropene	39.2	50.0	78	38-98
Indeno(1,2,3-cd)pyrene	44.8	50.0	90	47-150
Isodrin	46.5	50.0	93	60-128
Isophorone	43.2	50.0	86	55-116
Isosafrole	39.6	50.0	79	42-117
Kepone	17.5	50.0	35	11-183
Methapyrilene	32.9	50.0	66	10-215
Methyl Methanesulfonate	37.9	50.0	76	24-87

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF **Date Analyzed:** 11/17/11

Sample Matrix: Water

Lab Control Sample Summary

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C **Units:** ug/L

Prep Method: EPA 3510C **Basis:** NA

Analysis Lot: 270477

Lab Control Sample

JQ1106599-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Methyl Parathion	46.3	50.0	93	65-152
Naphthalene	39.9	50.0	80	44-106
Nitrobenzene	44.9	50.0	90	17-150
N-Nitrosodiethylamine	45.7	50.0	91	35-114
N-Nitrosodimethylamine	30.9	50.0	62	19-66
N-Nitrosodi-n-butylamine	40.6	50.0	81	53-109
N-Nitrosodi-n-propylamine	47.3	50.0	95	47-119
N-Nitrosomethylethylamine	42.1	50.0	84	30-105
N-Nitrosopiperidine	42.8	50.0	86	40-106
N-Nitrosopyrrolidine	41.3	50.0	83	45-111
O,O,O-Triethyl Phosphorothioate	42.2	50.0	84	51-107
o-Toluidine	41.5	50.0	83	10-132
Parathion	44.7	50.0	89	60-151
p-Dimethylaminoazobenzene	44.0	50.0	88	66-139
Pentachlorobenzene	42.7	50.0	85	57-114
Pentachloronitrobenzene (PCNB)	46.4	50.0	93	65-129
Pentachlorophenol (PCP)	45.8	50.0	92	29-145
Phenacetin	44.1	50.0	88	57-147
Phenanthrene	42.1	50.0	84	63-123
Phenol	25.9	50.0	52	10-84
Phorate	46.3	50.0	93	57-129
p-Phenylenediamine	3.41	50.0	7 *	62-125
Pronamide	43.7	50.0	87	61-136
Pyrene	44.4	50.0	89	61-126
Safrole	44.3	50.0	89	46-117
Thionazin	41.8	50.0	84	62-124

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Analyzed:**	11/18/11
Sample Matrix:	Water		

Lab Control Sample Summary

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method:	8011	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	270260

Lab Control Sample

JQ1106544-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.320	0.250	128	70-130
1,2-Dibromoethane (EDB)	0.281	0.250	113	70-130

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105079
Project:	JED SWDF	**Date Analyzed:**	11/19/11
Sample Matrix:	Water		

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082	**Units:**	ug/L
Prep Method:	EPA 3510C	**Basis:**	NA
		Analysis Lot:	270370

Lab Control Sample

JQ1106500-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Aroclor 1016	2.68	4.00	67	27-120
Aroclor 1260	2.49	4.00	62	33-112

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105079

Project: JED SWDF **Date Analyzed:** 11/19/11

Sample Matrix: Water

Lab Control Sample Summary

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A **Units:** ug/L

Prep Method: EPA 3510C **Basis:** NA

Analysis Lot: 270370

Lab Control Sample

JQ1106500-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
4,4'-DDD	0.319	0.400	80	12-121
4,4'-DDE	0.345	0.400	86	28-117
4,4'-DDT	0.336	0.400	84	32-126
Aldrin	0.361	0.400	90	30-100
alpha-BHC	0.329	0.400	82	30-111
alpha-Chlordane	0.336	0.400	84	32-118
beta-BHC	0.327	0.400	82	35-112
delta-BHC	0.339	0.400	85	34-120
Dieldrin	0.323	0.400	81	33-118
Endosulfan I	0.372	0.400	93	14-131
Endosulfan II	0.337	0.400	84	13-134
Endosulfan Sulfate	0.351	0.400	88	33-129
Endrin	0.361	0.400	90	24-141
Endrin Aldehyde	0.333	0.400	83	10-136
Endrin Ketone	0.397	0.400	99	34-118
gamma-BHC (Lindane)	0.329	0.400	82	26-114
gamma-Chlordane	0.334	0.400	84	33-117
Heptachlor	0.243	0.400	61	27-119
Heptachlor Epoxide	0.326	0.400	82	30-124
Methoxychlor	0.347	0.400	87	18-153

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/15/11 - 11/21/11

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1105079-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total Recoverable	6010B	5150	5000	103	90-114
Antimony, Total Recoverable	6020	55.3	50.0	111	80-120
Arsenic, Total Recoverable	6020	51.9	50.0	104	80-120
Barium, Total Recoverable	6020	50.1	50.0	100	80-120
Beryllium, Total Recoverable	6020	51.4	50.0	103	80-120
Cadmium, Total Recoverable	6020	51.3	50.0	103	80-120
Chromium, Total Recoverable	6020	50.6	50.0	101	80-120
Cobalt, Total Recoverable	6020	50.9	50.0	102	80-120
Copper, Total Recoverable	6020	50.8	50.0	102	80-120
Iron, Total Recoverable	6010B	5070	5000	101	91-113
Lead, Total Recoverable	6020	50.7	50.0	101	80-120
Manganese, Total Recoverable	6020	49.9	50.0	100	80-120
Mercury, Total	7470A	1.23	1.25	98	80-120
Nickel, Total Recoverable	6020	51.8	50.0	104	80-120
Selenium, Total Recoverable	6020	52.3	50.0	105	80-120
Silver, Total Recoverable	6020	51.0	50.0	102	80-120
Thallium, Total Recoverable	6020	50.5	50.0	101	80-120
Tin, Total Recoverable	6010B	2010	2000	100	92-115
Vanadium, Total Recoverable	6020	51.1	50.0	102	80-120
Zinc, Total Recoverable	6020	106	100	106	80-120

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/21/11

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1105079-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Calcium, Total Recoverable	6010B	5.04	5.00	101	84-125
Magnesium, Total Recoverable	6010B	5.09	5.00	102	89-116
Potassium, Total Recoverable	6010B	102	100	102	93-111
Sodium, Total Recoverable	6010B	25.5	25.0	102	88-119

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/14/11 - 11/17/11

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1105079-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	300.0	4.74	5.00	95	90-110
Fluoride	300.0	4.94	5.00	99	90-110
Sulfide, Total	376.1	19.2	20.0	96	85-115

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/11/11 - 11/21/11

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1105079-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity as CaCO3, Total	SM 2320 B	223	250	89	85-115
Ammonia as Nitrogen	350.1	1.01	1.00	101	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B	212	198	107	84.5-115.4
Chemical Oxygen Demand, Total	SM21 5220 D	489	500	98	95-105
Chloride	300.0	49.7	50.0	99	90-110
Nitrate as Nitrogen	300.0	4.68	5.00	94	90-110
Nitrite as Nitrogen	300.0	5.04	5.00	101	90-110
Solids, Total Dissolved	SM 2540 C	291	300	97	85-115
Sulfate	300.0	49.7	50.0	99	90-110

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/16/11

Lab Control Sample Summary
General Chemistry Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1105079-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	100	100	100	90-110

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1105079
Date Analyzed: 11/14/11 - 11/17/11

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

					Lab Control Sample J1105079-LCS1			Duplicate Lab Control Sample J1105079-DLCS1		
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromide	300.0	4.74	5.00	95	4.71	5.00	94	90-110	<1	20
Fluoride	300.0	4.94	5.00	99	4.94	5.00	99	90-110	<1	20
Sulfide, Total	376.1	19.2	20.0	96	19.0	20.0	95	85-115	1	20

Columbia Analytical Services™

Cooler Receipt Form

Client: WSI Service Request #: J1105079

Project: JED SWDF

Cooler received on 11/11/11 and opened on 11/11/11 by KK

COURIER: CAS UPS FEDEX Client Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	No		
	If yes, how many and where?	#:___ on lid	other		
2	Were seals intact and signature and date correct?	Yes	No	N/A	
3	Were custody papers properly filled out?	Yes	No	N/A	
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	4.3°C			
5	Thermometer ID	T13			
6	Temperature Blank Present?	Yes	No		
7	Were Ice or Ice Packs present	Ice	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A	
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A	
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A	
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	Yes	No	N/A	
15	Were all VOA vials free of air bubbles? If present, note below	Yes	No	N/A	
16	Where did the bottles originate?	CAS	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time
L-6	HNO3	Met-12-74E	4mL	KK 11/11/11 1510
↓	H2SO4	Gene585-87H	1mL	↓
↓	NaOH	Gen585-87F	4mL	↓

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services™

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR # J1105079

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011 PAGE 1 OF 1

www.caslab.com

J1105079
Waste Services of Florida, Inc.
JED SWDF

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI, 11500 43rd St. North, Clearwater, FL 33762	
Phone #: 813-943-8633	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3, COD	Metals	Sulfide	Cyanide	Cl, Br, SO_4, NO_3, NO_2, Alk	TDS, BOD	8270	8081	8082	8151			REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE						0	0	3	2	H_2S	4	0	0	0	0	0	0			
L-6		11-10-11	0930	Leachate	17	X	X	X	X	X	X	X	X	X	X	X	X			
Trip Blank		11-7-11	0830	DI H_2O	2	2														

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 11314-JED-5

(8260 vials are unpreserved)

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Robert Nicholas	Signature: Robert Nicholas	Signature: Kristy Kelly	Signature	Signature
Printed Name: Joe Terry	Printed Name: Robert Nicholas	Printed Name: Robert Nicholas	Printed Name: Kristie Kelly	Printed Name	Printed Name
Firm: WSI	Firm: CAS	Firm: CAS	Firm: CAS	Firm	Firm
Date/Time: 11-11-11/1205	Date/Time: 11/11/11 12:05	Date/Time: 11/11/11 2:15	Date/Time: 11/11/11 1415	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Retained by Client

JSCOC-3/11

Columbia Analytical Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945
www.encolabs.com

Friday, November 18, 2011

Columbia Analytical Svcs. (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for
Project Number: J1105079, Project Name/Desc: J1105079
ENCO Workorder: A106188

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Saturday, November 12, 2011.

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.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Ronald Wambles

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 7.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: L-6	Lab ID: A106188-01	Sampled: 11/10/11 09:30	Received: 11/12/11 08:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8151A	11/17/11	12/25/11	11/15/11	15:20	11/17/2011 19:24

SAMPLE DETECTION SUMMARY

No positive results detected.

www.encolabs.com

ANALYTICAL RESULTS

Description: L-6
Matrix: Ground Water
Project: J1105079

Lab Sample ID: A106188-01
Sampled: 11/10/11 09:30
Sampled By:

Received: 11/12/11 08:00
Work Order: A106188

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	1K15028	EPA 8151A	11/17/11 19:24	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	1K15028	EPA 8151A	11/17/11 19:24	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	1K15028	EPA 8151A	11/17/11 19:24	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1K15028	EPA 8151A	11/17/11 19:24	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	1K15028	EPA 8151A	11/17/11 19:24	RGG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.4	1	2.00	71 %	68-139	1K15028	EPA 8151A	11/17/11 19:24	RGG	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1K15028 - EPA 3510C

Blank (1K15028-BLK1) Prepared: 11/15/2011 15:20 Analyzed: 11/17/2011 13:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							
Surrogate: 2,4-DCAA	2.1			ug/L	2.00		107	68-139			

LCS (1K15028-BS1) Prepared: 11/15/2011 15:20 Analyzed: 11/17/2011 14:12

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		102	70-114			
2,4-D	2.1		0.50	ug/L	2.00		105	37-129			
Surrogate: 2,4-DCAA	2.1			ug/L	2.00		105	68-139			

Matrix Spike (1K15028-MS1) Prepared: 11/15/2011 15:20 Analyzed: 11/17/2011 14:38

Source: A106038-02RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00	0.15 U	102	70-114			
2,4-D	2.0		0.50	ug/L	2.00	0.15 U	102	37-129			
Surrogate: 2,4-DCAA	2.1			ug/L	2.00		105	68-139			

Matrix Spike Dup (1K15028-MSD1) Prepared: 11/15/2011 15:20 Analyzed: 11/17/2011 15:04

Source: A106038-02RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.15 U	106	70-114	4	15	
2,4-D	2.2		0.50	ug/L	2.00	0.15 U	111	37-129	8	33	
Surrogate: 2,4-DCAA	2.1			ug/L	2.00		105	68-139			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.

www.encolabs.com

Columbia Analytical Services, Inc. Chain of Custody

9143 Philips Highway • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

CAS Contact: Craig Myers

Project Number: J1105079
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	HERB 8151A
J1105079-001	L-6	1	Water	11/10/11	0930	ENCO	X

Test Comments
HERB - 8151A J1105079-001 Report Appendix II List

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
PLEASE SEND RESULTS TO MINDY SULLIVAN	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ✓ STANDARD Requested FAX Date: ___ Requested Report Date: 11/28/11	___ I. Results Only ___ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J: Y EDD: Y	PO# J1105079 Bill to:

Relinquished By: Kristi Kelly 11-11-11 Received By: NEFenwick 11/11/11 16:45 Airbill Number: A106188

LG-BNW, 4°

Page 1