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

December 15, 2011 Service Request No: J1105138

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 16, 2011
For your reference, these analyses have been assigned our service request number **J1105138.**

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: J1105138
Date Received: 11/16/11

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

Eleven water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/16/11. 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:

No problems were observed with this delivery group.

Semi-Volatile Organic Analyses:

No problems were observed with this delivery group.

Metals Analyses:

No problems were observed with this delivery group.

General Chemistry Analyses:

No problems were observed with this delivery group.

Approved by _____ Date 12/15/2011

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:** J1105138
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1105138-001	MW-9A	11/15/2011	0730
J1105138-002	MW-9C	11/15/2011	0810
J1105138-003	MW-8A	11/15/2011	0935
J1105138-004	MW-8C	11/15/2011	0905
J1105138-005	MW-7A	11/15/2011	1115
J1105138-006	MW-7C	11/15/2011	1050
J1105138-007	MW-6A	11/15/2011	1250
J1105138-008	MW-6C	11/15/2011	1225
J1105138-009	MW-5A	11/15/2011	1435
J1105138-010	MW-5C	11/15/2011	1405
J1105138-011	Equipment Blank-2	11/15/2011	0740
J1105138-012	Trip Blank	11/15/2011	0000

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:30
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1105138-001	**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	ND	U	1.00	0.190	1	11/28/11 17:41	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 17:41	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 17:41	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 17:41	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 17:41	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 17:41	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 17:41	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 17:41	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 17:41	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 17:41	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 17:41	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 17:41	
1,4-Dichlorobenzene	**1.46**		1.00	0.160	1	11/28/11 17:41	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 17:41	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 17:41	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 17:41	
Acetone	ND	U	50.0	5.60	1	11/28/11 17:41	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 17:41	
Benzene	**10.3**		1.00	0.210	1	11/28/11 17:41	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 17:41	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 17:41	
Bromoform	ND	U	2.00	0.420	1	11/28/11 17:41	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 17:41	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 17:41	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 17:41	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 17:41	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 17:41	
Chloroform	ND	U	1.00	0.350	1	11/28/11 17:41	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 17:41	
cis-1,2-Dichloroethene	**0.780**	**I**	1.00	0.360	1	11/28/11 17:41	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 17:41	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 17:41	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 17:41	
Ethylbenzene	**1.05**		1.00	0.210	1	11/28/11 17:41	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 17:41	
m,p-Xylenes	**2.60**		2.00	0.310	1	11/28/11 17:41	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 17:41	
o-Xylene	**1.56**		1.00	0.140	1	11/28/11 17:41	
Styrene	ND	U	1.00	0.290	1	11/28/11 17:41	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 17:41	
Toluene	**0.380**	**I**	1.00	0.190	1	11/28/11 17:41	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 17:41	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 17:41	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:30
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1105138-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 17:41	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 17:41	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 17:41	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 17:41	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 17:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	68 - 118	11/28/11 17:41	
4-Bromofluorobenzene	99	78 - 129	11/28/11 17:41	
Dibromofluoromethane	101	80 - 114	11/28/11 17:41	
Toluene-d8	96	87 - 118	11/28/11 17:41	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:30
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1105138-001	**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)	ND	U	0.0206	0.00330	1	11/22/11 03:55	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0206	0.0165	1	11/22/11 03:55	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	88	77 - 150	11/22/11 03:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:30
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9A	**Basis:**	NA
Lab Code:	J1105138-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	**1.1**		ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**3.9**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	ND	U	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**2.2**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**1.1**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**620**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.25**	**I**	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	**0.04**	**I**	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	**1.0**	**I**	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**15.3**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**2.7**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**2.3**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:30
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9A	**Basis:**	NA
Lab Code:	J1105138-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**5.58**		mg/L	0.010	0.005	1	11/21/11 17:10	
Chloride	300.0	**18.8**		mg/L	0.50	0.07	1	11/16/11 16:32	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 16:32	
Solids, Total Dissolved	SM 2540 C	**124**		mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 08:10
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9C	**Units:**	ug/L
Lab Code:	J1105138-002	**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	ND	U	1.00	0.190	1	11/28/11 17:14	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 17:14	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 17:14	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 17:14	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 17:14	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 17:14	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 17:14	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 17:14	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 17:14	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 17:14	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 17:14	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 17:14	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 17:14	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 17:14	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 17:14	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 17:14	
Acetone	ND	U	50.0	5.60	1	11/28/11 17:14	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 17:14	
Benzene	**0.220**	**I**	1.00	0.210	1	11/28/11 17:14	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 17:14	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 17:14	
Bromoform	ND	U	2.00	0.420	1	11/28/11 17:14	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 17:14	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 17:14	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 17:14	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 17:14	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 17:14	
Chloroform	ND	U	1.00	0.350	1	11/28/11 17:14	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 17:14	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 17:14	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 17:14	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 17:14	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 17:14	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 17:14	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 17:14	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 17:14	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 17:14	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 17:14	
Styrene	ND	U	1.00	0.290	1	11/28/11 17:14	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 17:14	
Toluene	ND	U	1.00	0.190	1	11/28/11 17:14	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 17:14	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 17:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 08:10
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9C	**Units:**	ug/L
Lab Code:	J1105138-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 17:14	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 17:14	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 17:14	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 17:14	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 17:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	68 - 118	11/28/11 17:14	
4-Bromofluorobenzene	98	78 - 129	11/28/11 17:14	
Dibromofluoromethane	103	80 - 114	11/28/11 17:14	
Toluene-d8	96	87 - 118	11/28/11 17:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 08:10
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9C	**Units:**	ug/L
Lab Code:	J1105138-002	**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)	ND	U	0.0205	0.00328	1	11/22/11 04:15	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0205	0.0164	1	11/22/11 04:15	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	95	77 - 150	11/22/11 04:15	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 08:10
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9C	**Basis:**	NA
Lab Code:	J1105138-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**25.2**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.07**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**660**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	**2.3**		ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**7.94**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**1.9**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.7**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 08:10
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-9C	**Basis:**	NA
Lab Code:	J1105138-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**0.258**		mg/L	0.010	0.005	1	11/21/11 17:11	
Chloride	300.0	**14.1**		mg/L	0.50	0.07	1	11/16/11 16:47	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 16:47	
Solids, Total Dissolved	SM 2540 C	**88**		mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1105138-003	**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	ND	U	1.00	0.190	1	11/28/11 16:47	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 16:47	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 16:47	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 16:47	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 16:47	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 16:47	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 16:47	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 16:47	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 16:47	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 16:47	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 16:47	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 16:47	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 16:47	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 16:47	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 16:47	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 16:47	
Acetone	ND	U	50.0	5.60	1	11/28/11 16:47	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 16:47	
Benzene	**4.96**		1.00	0.210	1	11/28/11 16:47	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 16:47	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 16:47	
Bromoform	ND	U	2.00	0.420	1	11/28/11 16:47	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 16:47	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 16:47	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 16:47	
Chlorobenzene	**0.280**	**I**	1.00	0.160	1	11/28/11 16:47	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 16:47	
Chloroform	ND	U	1.00	0.350	1	11/28/11 16:47	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 16:47	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 16:47	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 16:47	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 16:47	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 16:47	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 16:47	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 16:47	
m,p-Xylenes	**0.310**	**I**	2.00	0.310	1	11/28/11 16:47	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 16:47	
o-Xylene	**0.600**	**I**	1.00	0.140	1	11/28/11 16:47	
Styrene	ND	U	1.00	0.290	1	11/28/11 16:47	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 16:47	
Toluene	**0.230**	**I**	1.00	0.190	1	11/28/11 16:47	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 16:47	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 16:47	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1105138-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 16:47	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 16:47	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 16:47	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 16:47	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 16:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	68 - 118	11/28/11 16:47	
4-Bromofluorobenzene	99	78 - 129	11/28/11 16:47	
Dibromofluoromethane	100	80 - 114	11/28/11 16:47	
Toluene-d8	97	87 - 118	11/28/11 16:47	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1105138-003	**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)	ND	U	0.0208	0.00333	1	11/22/11 04:34	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0208	0.0167	1	11/22/11 04:34	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	98	77 - 150	11/22/11 04:34	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8A	**Basis:**	NA
Lab Code:	J1105138-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**30.7**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.11**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**2.6**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	**1.3**		ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**2290**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.30**	**I**	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	**2.8**		ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**30.2**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**5.2**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**2.2**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8A	**Basis:**	NA
Lab Code:	J1105138-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**3.66**		mg/L	0.010	0.005	1	11/21/11 17:11	
Chloride	300.0	**53.8**		mg/L	0.50	0.07	1	11/16/11 17:02	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 17:02	
Solids, Total Dissolved	SM 2540 C	**185**		mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8C	**Units:**	ug/L
Lab Code:	J1105138-004	**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	ND	U	1.00	0.190	1	11/28/11 15:54	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 15:54	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 15:54	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 15:54	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 15:54	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 15:54	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 15:54	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 15:54	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 15:54	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 15:54	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 15:54	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 15:54	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:54	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 15:54	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 15:54	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 15:54	
Acetone	ND	U	50.0	5.60	1	11/28/11 15:54	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 15:54	
Benzene	ND	U	1.00	0.210	1	11/28/11 15:54	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 15:54	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 15:54	
Bromoform	ND	U	2.00	0.420	1	11/28/11 15:54	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 15:54	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 15:54	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 15:54	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:54	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 15:54	
Chloroform	ND	U	1.00	0.350	1	11/28/11 15:54	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 15:54	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 15:54	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 15:54	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 15:54	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 15:54	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 15:54	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 15:54	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 15:54	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 15:54	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 15:54	
Styrene	ND	U	1.00	0.290	1	11/28/11 15:54	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 15:54	
Toluene	ND	U	1.00	0.190	1	11/28/11 15:54	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 15:54	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 15:54	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8C	**Units:**	ug/L
Lab Code:	J1105138-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 15:54	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 15:54	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 15:54	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 15:54	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 15:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	68 - 118	11/28/11 15:54	
4-Bromofluorobenzene	98	78 - 129	11/28/11 15:54	
Dibromofluoromethane	100	80 - 114	11/28/11 15:54	
Toluene-d8	97	87 - 118	11/28/11 15:54	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8C	**Units:**	ug/L
Lab Code:	J1105138-004	**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)	ND	U	0.0208	0.00334	1	11/22/11 04:54	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0208	0.0167	1	11/22/11 04:54	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	89	77 - 150	11/22/11 04:54	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8C	**Basis:**	NA
Lab Code:	J1105138-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**17.4**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.05**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**0.5**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**1150**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**7.35**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**1.1**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.7**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 09:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-8C	**Basis:**	NA
Lab Code:	J1105138-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**0.140**		mg/L	0.010	0.005	1	11/21/11 17:14	
Chloride	300.0	**13.2**		mg/L	0.50	0.07	1	11/16/11 17:17	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 17:17	
Solids, Total Dissolved	SM 2540 C	**60**		mg/L	10	10	1	11/17/11 16:07	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 11:15
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1105138-005	**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	ND	U	1.00	0.190	1	11/28/11 16:21	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 16:21	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 16:21	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 16:21	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 16:21	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 16:21	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 16:21	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 16:21	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 16:21	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 16:21	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 16:21	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 16:21	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 16:21	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 16:21	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 16:21	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 16:21	
Acetone	ND	U	50.0	5.60	1	11/28/11 16:21	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 16:21	
Benzene	ND	U	1.00	0.210	1	11/28/11 16:21	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 16:21	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 16:21	
Bromoform	ND	U	2.00	0.420	1	11/28/11 16:21	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 16:21	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 16:21	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 16:21	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 16:21	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 16:21	
Chloroform	ND	U	1.00	0.350	1	11/28/11 16:21	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 16:21	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 16:21	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 16:21	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 16:21	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 16:21	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 16:21	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 16:21	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 16:21	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 16:21	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 16:21	
Styrene	ND	U	1.00	0.290	1	11/28/11 16:21	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 16:21	
Toluene	ND	U	1.00	0.190	1	11/28/11 16:21	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 16:21	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 16:21	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 11:15
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1105138-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 16:21	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 16:21	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 16:21	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 16:21	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 16:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	68 - 118	11/28/11 16:21	
4-Bromofluorobenzene	100	78 - 129	11/28/11 16:21	
Dibromofluoromethane	102	80 - 114	11/28/11 16:21	
Toluene-d8	97	87 - 118	11/28/11 16:21	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 11:15
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1105138-005	**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)	ND	U	0.0205	0.00329	1	11/22/11 05:14	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0205	0.0165	1	11/22/11 05:14	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	99	77 - 150	11/22/11 05:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 11:15
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7A	**Basis:**	NA
Lab Code:	J1105138-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**18.7**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	ND	U	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**1.3**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	**1.6**		ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**12100**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**22.4**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**1.5**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.4**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 11:15
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7A	**Basis:**	NA
Lab Code:	J1105138-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**3.89**		mg/L	0.010	0.005	1	11/21/11 17:15	
Chloride	300.0	**26.9**		mg/L	0.50	0.07	1	11/16/11 18:02	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 18:02	
Solids, Total Dissolved	SM 2540 C	**161**		mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 10:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7C	**Units:**	ug/L
Lab Code:	J1105138-006	**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	ND	U	1.00	0.190	1	11/28/11 15:27	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 15:27	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 15:27	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 15:27	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 15:27	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 15:27	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 15:27	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 15:27	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 15:27	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 15:27	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 15:27	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 15:27	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:27	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 15:27	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 15:27	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 15:27	
Acetone	ND	U	50.0	5.60	1	11/28/11 15:27	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 15:27	
Benzene	ND	U	1.00	0.210	1	11/28/11 15:27	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 15:27	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 15:27	
Bromoform	ND	U	2.00	0.420	1	11/28/11 15:27	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 15:27	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 15:27	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 15:27	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:27	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 15:27	
Chloroform	ND	U	1.00	0.350	1	11/28/11 15:27	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 15:27	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 15:27	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 15:27	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 15:27	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 15:27	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 15:27	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 15:27	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 15:27	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 15:27	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 15:27	
Styrene	ND	U	1.00	0.290	1	11/28/11 15:27	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 15:27	
Toluene	ND	U	1.00	0.190	1	11/28/11 15:27	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 15:27	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 15:27	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 10:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7C	**Units:**	ug/L
Lab Code:	J1105138-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 15:27	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 15:27	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 15:27	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 15:27	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 15:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	68 - 118	11/28/11 15:27	
4-Bromofluorobenzene	99	78 - 129	11/28/11 15:27	
Dibromofluoromethane	100	80 - 114	11/28/11 15:27	
Toluene-d8	97	87 - 118	11/28/11 15:27	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 10:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7C	**Units:**	ug/L
Lab Code:	J1105138-006	**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)	ND	U	0.0205	0.00329	1	11/22/11 05:33	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0205	0.0165	1	11/22/11 05:33	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	103	77 - 150	11/22/11 05:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 10:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7C	**Basis:**	NA
Lab Code:	J1105138-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**23.3**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.06**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**690**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.12**	**I**	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**5.88**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**1.5**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.4**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 10:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-7C	**Basis:**	NA
Lab Code:	J1105138-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**0.094**		mg/L	0.010	0.005	1	11/21/11 17:16	
Chloride	300.0	**7.01**		mg/L	0.50	0.07	1	11/16/11 18:17	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 18:17	
Solids, Total Dissolved	SM 2540 C	**48**		mg/L	10	10	1	11/17/11 16:07	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1105138-007	**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	ND	U	1.00	0.190	1	11/28/11 15:00	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 15:00	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 15:00	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 15:00	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 15:00	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 15:00	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 15:00	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 15:00	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 15:00	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 15:00	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 15:00	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 15:00	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:00	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 15:00	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 15:00	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 15:00	
Acetone	ND	U	50.0	5.60	1	11/28/11 15:00	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 15:00	
Benzene	**0.750**	**I**	1.00	0.210	1	11/28/11 15:00	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 15:00	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 15:00	
Bromoform	ND	U	2.00	0.420	1	11/28/11 15:00	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 15:00	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 15:00	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 15:00	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 15:00	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 15:00	
Chloroform	ND	U	1.00	0.350	1	11/28/11 15:00	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 15:00	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 15:00	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 15:00	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 15:00	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 15:00	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 15:00	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 15:00	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 15:00	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 15:00	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 15:00	
Styrene	ND	U	1.00	0.290	1	11/28/11 15:00	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 15:00	
Toluene	ND	U	1.00	0.190	1	11/28/11 15:00	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 15:00	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1105138-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 15:00	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 15:00	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 15:00	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 15:00	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 15:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	68 - 118	11/28/11 15:00	
4-Bromofluorobenzene	98	78 - 129	11/28/11 15:00	
Dibromofluoromethane	101	80 - 114	11/28/11 15:00	
Toluene-d8	96	87 - 118	11/28/11 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1105138-007	**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)	ND	U	0.0206	0.00331	1	11/22/11 06:12	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0206	0.0166	1	11/22/11 06:12	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	110	77 - 150	11/22/11 06:12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6A	**Basis:**	NA
Lab Code:	J1105138-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**8.2**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	ND	U	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**1.3**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**18300**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.14**	**I**	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**29.6**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**2.3**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.5**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:50
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6A	**Basis:**	NA
Lab Code:	J1105138-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**2.95**		mg/L	0.010	0.005	1	11/21/11 17:20	
Chloride	300.0	**51.4**		mg/L	0.50	0.07	1	11/16/11 18:32	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 18:32	
Solids, Total Dissolved	SM 2540 C	**192**		mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:25
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6C	**Units:**	ug/L
Lab Code:	J1105138-008	**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	ND	U	1.00	0.190	1	11/28/11 14:33	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 14:33	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 14:33	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 14:33	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 14:33	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 14:33	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 14:33	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 14:33	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 14:33	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 14:33	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 14:33	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 14:33	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 14:33	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 14:33	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 14:33	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 14:33	
Acetone	ND	U	50.0	5.60	1	11/28/11 14:33	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 14:33	
Benzene	ND	U	1.00	0.210	1	11/28/11 14:33	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 14:33	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 14:33	
Bromoform	ND	U	2.00	0.420	1	11/28/11 14:33	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 14:33	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 14:33	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 14:33	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 14:33	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 14:33	
Chloroform	ND	U	1.00	0.350	1	11/28/11 14:33	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 14:33	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 14:33	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 14:33	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 14:33	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 14:33	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 14:33	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 14:33	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 14:33	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 14:33	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 14:33	
Styrene	ND	U	1.00	0.290	1	11/28/11 14:33	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 14:33	
Toluene	ND	U	1.00	0.190	1	11/28/11 14:33	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 14:33	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 14:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:25
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6C	**Units:**	ug/L
Lab Code:	J1105138-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 14:33	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 14:33	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 14:33	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 14:33	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 14:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	68 - 118	11/28/11 14:33	
4-Bromofluorobenzene	99	78 - 129	11/28/11 14:33	
Dibromofluoromethane	100	80 - 114	11/28/11 14:33	
Toluene-d8	96	87 - 118	11/28/11 14:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:25
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6C	**Units:**	ug/L
Lab Code:	J1105138-008	**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)	ND	U	0.0206	0.00330	1	11/22/11 06:31	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0206	0.0165	1	11/22/11 06:31	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	122	77 - 150	11/22/11 06:31	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:25
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6C	**Basis:**	NA
Lab Code:	J1105138-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**26.5**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.09**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**1.1**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**620**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.06**	**I**	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**5.11**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**2.0**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**2.1**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 12:25
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-6C	**Basis:**	NA
Lab Code:	J1105138-008		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**0.128**		mg/L	0.010	0.005	1	11/21/11 17:21	
Chloride	300.0	**5.48**		mg/L	0.50	0.07	1	11/16/11 18:47	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 18:47	
Solids, Total Dissolved	SM 2540 C	**27**		mg/L	10	10	1	11/22/11 12:27	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1105138-009	**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	ND	U	1.00	0.190	1	11/28/11 14:06	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 14:06	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 14:06	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 14:06	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 14:06	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 14:06	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 14:06	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 14:06	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 14:06	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 14:06	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 14:06	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 14:06	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 14:06	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 14:06	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 14:06	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 14:06	
Acetone	ND	U	50.0	5.60	1	11/28/11 14:06	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 14:06	
Benzene	ND	U	1.00	0.210	1	11/28/11 14:06	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 14:06	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 14:06	
Bromoform	ND	U	2.00	0.420	1	11/28/11 14:06	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 14:06	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 14:06	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 14:06	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 14:06	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 14:06	
Chloroform	ND	U	1.00	0.350	1	11/28/11 14:06	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 14:06	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 14:06	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 14:06	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 14:06	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 14:06	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 14:06	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 14:06	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 14:06	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 14:06	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 14:06	
Styrene	ND	U	1.00	0.290	1	11/28/11 14:06	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 14:06	
Toluene	ND	U	1.00	0.190	1	11/28/11 14:06	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 14:06	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 14:06	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1105138-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 14:06	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 14:06	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 14:06	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 14:06	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 14:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	68 - 118	11/28/11 14:06	
4-Bromofluorobenzene	99	78 - 129	11/28/11 14:06	
Dibromofluoromethane	101	80 - 114	11/28/11 14:06	
Toluene-d8	97	87 - 118	11/28/11 14:06	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1105138-009	**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)	ND	U	0.0207	0.00332	1	11/22/11 06:51	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0207	0.0166	1	11/22/11 06:51	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	109	77 - 150	11/22/11 06:51	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5A	**Basis:**	NA
Lab Code:	J1105138-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	**0.6**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	**1.4**		ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**64.2**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.06**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**1.0**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	**1.3**		ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**1.5**		ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**2600**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	**0.77**		ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	**0.03**	**I**	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	**2.9**		ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**24.2**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**1.3**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**5.7**		ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:35
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5A	**Basis:**	NA
Lab Code:	J1105138-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**5.95**		mg/L	0.010	0.005	1	11/21/11 17:22	
Chloride	300.0	**23.1**		mg/L	0.50	0.07	1	11/16/11 19:02	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 19:02	
Solids, Total Dissolved	SM 2540 C	**1230**		mg/L	20	20	2	11/21/11 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5C	**Units:**	ug/L
Lab Code:	J1105138-010	**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	ND	U	1.00	0.190	1	11/28/11 13:37	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 13:37	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 13:37	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 13:37	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 13:37	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 13:37	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 13:37	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 13:37	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 13:37	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 13:37	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 13:37	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 13:37	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 13:37	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 13:37	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 13:37	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 13:37	
Acetone	ND	U	50.0	5.60	1	11/28/11 13:37	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 13:37	
Benzene	ND	U	1.00	0.210	1	11/28/11 13:37	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 13:37	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 13:37	
Bromoform	ND	U	2.00	0.420	1	11/28/11 13:37	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 13:37	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 13:37	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 13:37	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 13:37	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 13:37	
Chloroform	ND	U	1.00	0.350	1	11/28/11 13:37	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 13:37	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 13:37	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 13:37	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 13:37	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 13:37	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 13:37	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 13:37	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 13:37	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 13:37	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 13:37	
Styrene	ND	U	1.00	0.290	1	11/28/11 13:37	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 13:37	
Toluene	ND	U	1.00	0.190	1	11/28/11 13:37	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 13:37	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 13:37	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5C	**Units:**	ug/L
Lab Code:	J1105138-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 13:37	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 13:37	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 13:37	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 13:37	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 13:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	68 - 118	11/28/11 13:37	
4-Bromofluorobenzene	99	78 - 129	11/28/11 13:37	
Dibromofluoromethane	99	80 - 114	11/28/11 13:37	
Toluene-d8	97	87 - 118	11/28/11 13:37	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5C	**Units:**	ug/L
Lab Code:	J1105138-010	**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)	ND	U	0.0208	0.00334	1	11/22/11 07:10	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0208	0.0167	1	11/22/11 07:10	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	109	77 - 150	11/22/11 07:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5C	**Basis:**	NA
Lab Code:	J1105138-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	**16.7**		ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	**0.05**	**I**	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	**620**		ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**7.46**		mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	**0.4**	**I**	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**28.2**		ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 14:05
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	MW-5C	**Basis:**	NA
Lab Code:	J1105138-010		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	**0.081**		mg/L	0.010	0.005	1	11/21/11 17:23	
Chloride	300.0	**11.0**		mg/L	0.50	0.07	1	11/16/11 19:17	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 19:17	
Solids, Total Dissolved	SM 2540 C	**48**		mg/L	10	10	1	11/22/11 12:27	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:40
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1105138-011	**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	ND	U	1.00	0.190	1	11/28/11 13:10	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 13:10	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 13:10	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 13:10	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 13:10	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 13:10	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 13:10	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 13:10	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 13:10	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 13:10	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 13:10	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 13:10	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 13:10	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 13:10	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 13:10	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 13:10	
Acetone	ND	U	50.0	5.60	1	11/28/11 13:10	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 13:10	
Benzene	ND	U	1.00	0.210	1	11/28/11 13:10	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 13:10	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 13:10	
Bromoform	ND	U	2.00	0.420	1	11/28/11 13:10	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 13:10	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 13:10	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 13:10	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 13:10	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 13:10	
Chloroform	ND	U	1.00	0.350	1	11/28/11 13:10	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 13:10	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 13:10	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 13:10	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 13:10	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 13:10	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 13:10	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 13:10	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 13:10	
Methylene Chloride	**10.4**		5.00	0.210	1	11/28/11 13:10	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 13:10	
Styrene	ND	U	1.00	0.290	1	11/28/11 13:10	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 13:10	
Toluene	ND	U	1.00	0.190	1	11/28/11 13:10	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 13:10	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 13:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:40
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1105138-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 13:10	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 13:10	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 13:10	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 13:10	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 13:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	68 - 118	11/28/11 13:10	
4-Bromofluorobenzene	98	78 - 129	11/28/11 13:10	
Dibromofluoromethane	100	80 - 114	11/28/11 13:10	
Toluene-d8	96	87 - 118	11/28/11 13:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:40
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1105138-011	**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)	ND	U	0.0208	0.00334	1	11/22/11 07:29	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0208	0.0167	1	11/22/11 07:29	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	105	77 - 150	11/22/11 07:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:40
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Equipment Blank-2	**Basis:**	NA
Lab Code:	J1105138-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	ND	U	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	ND	U	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	**0.3**	**I**	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	ND	U	ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**0.23**	**I**	mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	ND	U	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.0**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 07:40
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Equipment Blank-2	**Basis:**	NA
Lab Code:	J1105138-011		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.005	1	11/21/11 17:24	
Chloride	300.0	ND	U	mg/L	0.50	0.07	1	11/16/11 20:02	
Nitrate as Nitrogen	300.0	**0.18**	**I**	mg/L	0.20	0.03	1	11/16/11 20:02	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	11/21/11 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 00:00
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1105138-012	**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	ND	U	1.00	0.190	1	11/28/11 12:43	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 12:43	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 12:43	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 12:43	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 12:43	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 12:43	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 12:43	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 12:43	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 12:43	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 12:43	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 12:43	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 12:43	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 12:43	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 12:43	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 12:43	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 12:43	
Acetone	ND	U	50.0	5.60	1	11/28/11 12:43	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 12:43	
Benzene	ND	U	1.00	0.210	1	11/28/11 12:43	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 12:43	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 12:43	
Bromoform	ND	U	2.00	0.420	1	11/28/11 12:43	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 12:43	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 12:43	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 12:43	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 12:43	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 12:43	
Chloroform	ND	U	1.00	0.350	1	11/28/11 12:43	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 12:43	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 12:43	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 12:43	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 12:43	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 12:43	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 12:43	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 12:43	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 12:43	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 12:43	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 12:43	
Styrene	ND	U	1.00	0.290	1	11/28/11 12:43	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 12:43	
Toluene	ND	U	1.00	0.190	1	11/28/11 12:43	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 12:43	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 12:43	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11 00:00
Sample Matrix:	Water	**Date Received:**	11/16/11 09:45
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1105138-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 12:43	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 12:43	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 12:43	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 12:43	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 12:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	68 - 118	11/28/11 12:43	
4-Bromofluorobenzene	99	78 - 129	11/28/11 12:43	
Dibromofluoromethane	101	80 - 114	11/28/11 12:43	
Toluene-d8	98	87 - 118	11/28/11 12:43	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106776-04	**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	ND	U	1.00	0.190	1	11/28/11 12:11	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	11/28/11 12:11	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.290	1	11/28/11 12:11	
1,1,2-Trichloroethane	ND	U	1.00	0.400	1	11/28/11 12:11	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.300	1	11/28/11 12:11	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	11/28/11 12:11	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	11/28/11 12:11	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	11/28/11 12:11	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.460	1	11/28/11 12:11	
1,2-Dichlorobenzene	ND	U	1.00	0.480	1	11/28/11 12:11	
1,2-Dichloroethane	ND	U	1.00	0.220	1	11/28/11 12:11	
1,2-Dichloropropane	ND	U	1.00	0.190	1	11/28/11 12:11	
1,4-Dichlorobenzene	ND	U	1.00	0.160	1	11/28/11 12:11	
2-Butanone (MEK)	ND	U	10.0	3.80	1	11/28/11 12:11	
2-Hexanone	ND	U	25.0	2.20	1	11/28/11 12:11	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	1.10	1	11/28/11 12:11	
Acetone	ND	U	50.0	5.60	1	11/28/11 12:11	
Acrylonitrile	ND	U	10.0	1.50	1	11/28/11 12:11	
Benzene	ND	U	1.00	0.210	1	11/28/11 12:11	
Bromochloromethane	ND	U	5.00	0.270	1	11/28/11 12:11	
Bromodichloromethane	ND	U	1.00	0.220	1	11/28/11 12:11	
Bromoform	ND	U	2.00	0.420	1	11/28/11 12:11	
Bromomethane	ND	U	5.00	0.230	1	11/28/11 12:11	
Carbon Disulfide	ND	U	10.0	2.40	1	11/28/11 12:11	
Carbon Tetrachloride	ND	U	1.00	0.340	1	11/28/11 12:11	
Chlorobenzene	ND	U	1.00	0.160	1	11/28/11 12:11	
Chloroethane	ND	U	5.00	0.520	1	11/28/11 12:11	
Chloroform	ND	U	1.00	0.350	1	11/28/11 12:11	
Chloromethane	ND	U	1.00	0.360	1	11/28/11 12:11	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	11/28/11 12:11	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	11/28/11 12:11	
Dibromochloromethane	ND	U	1.00	0.210	1	11/28/11 12:11	
Dibromomethane	ND	U	5.00	0.360	1	11/28/11 12:11	
Ethylbenzene	ND	U	1.00	0.210	1	11/28/11 12:11	
Iodomethane	ND	U	5.00	2.70	1	11/28/11 12:11	
m,p-Xylenes	ND	U	2.00	0.310	1	11/28/11 12:11	
Methylene Chloride	ND	U	5.00	0.210	1	11/28/11 12:11	
o-Xylene	ND	U	1.00	0.140	1	11/28/11 12:11	
Styrene	ND	U	1.00	0.290	1	11/28/11 12:11	
Tetrachloroethene (PCE)	ND	U	1.00	0.220	1	11/28/11 12:11	
Toluene	ND	U	1.00	0.190	1	11/28/11 12:11	
trans-1,2-Dichloroethene	ND	U	1.00	0.190	1	11/28/11 12:11	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	11/28/11 12:11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106776-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	11/28/11 12:11	
Trichloroethene (TCE)	ND	U	1.00	0.360	1	11/28/11 12:11	
Trichlorofluoromethane	ND	U	20.0	0.240	1	11/28/11 12:11	
Vinyl Acetate	ND	U	10.0	1.90	1	11/28/11 12:11	
Vinyl Chloride	ND	U	1.00	0.360	1	11/28/11 12:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	68 - 118	11/28/11 12:11	
4-Bromofluorobenzene	98	78 - 129	11/28/11 12:11	
Dibromofluoromethane	99	80 - 114	11/28/11 12:11	
Toluene-d8	97	87 - 118	11/28/11 12:11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1106666-01	**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)	ND	U	0.0200	0.00320	1	11/22/11 02:36	11/21/11	
1,2-Dibromoethane (EDB)	ND	U	0.0200	0.0160	1	11/22/11 02:36	11/21/11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	91	77 - 150	11/22/11 02:36	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105138-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Arsenic, Total Recoverable	6020	ND	U	ug/L	1.0	0.5	1	11/18/11	11/17/11	
Barium, Total Recoverable	6020	ND	U	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Beryllium, Total Recoverable	6020	ND	U	ug/L	0.50	0.04	1	11/18/11	11/17/11	
Cadmium, Total Recoverable	6020	ND	U	ug/L	0.40	0.12	1	11/18/11	11/17/11	
Chromium, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Cobalt, Total Recoverable	6020	ND	U	ug/L	1.0	0.06	1	11/18/11	11/17/11	
Copper, Total Recoverable	6020	ND	U	ug/L	1.0	0.2	1	11/18/11	11/17/11	
Iron, Total Recoverable	6010B	ND	U	ug/L	100	20	1	11/21/11	11/18/11	
Lead, Total Recoverable	6020	ND	U	ug/L	0.50	0.06	1	11/18/11	11/17/11	
Mercury, Total	7470A	ND	U	ug/L	0.10	0.02	1	11/17/11	11/16/11	
Nickel, Total Recoverable	6020	ND	U	ug/L	2.0	0.8	1	11/18/11	11/17/11	
Selenium, Total Recoverable	6020	ND	U	ug/L	2.0	1.1	1	11/18/11	11/17/11	
Silver, Total Recoverable	6020	ND	U	ug/L	0.50	0.03	1	11/18/11	11/17/11	
Sodium, Total Recoverable	6010B	**0.04**	**I**	mg/L	0.50	0.02	1	11/21/11	11/18/11	
Thallium, Total Recoverable	6020	ND	U	ug/L	0.20	0.05	1	11/18/11	11/17/11	
Vanadium, Total Recoverable	6020	ND	U	ug/L	2.0	0.4	1	11/18/11	11/17/11	
Zinc, Total Recoverable	6020	**1.4**	**I**	ug/L	5.0	0.9	1	11/18/11	11/17/11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105138-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.005	1	11/21/11 16:56	
Chloride	300.0	ND	U	mg/L	0.50	0.07	1	11/16/11 15:03	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.03	1	11/16/11 15:03	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	11/16/11 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105138-MB2		

Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	11/17/11 16:07	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105138-MB3		

Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	11/21/11 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1105138-MB4		

Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	11/22/11 12:27	

Client: Waste Services of Florida, Inc. **Service Request:** J1105138
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
MW-9A	J1105138-001	102	99	101
MW-9C	J1105138-002	103	98	103
MW-8A	J1105138-003	102	99	100
MW-8C	J1105138-004	99	98	100
MW-7A	J1105138-005	103	100	102
MW-7C	J1105138-006	104	99	100
MW-6A	J1105138-007	99	98	101
MW-6C	J1105138-008	99	99	100
MW-5A	J1105138-009	101	99	101
MW-5C	J1105138-010	101	99	99
Equipment Blank-2	J1105138-011	100	98	100
Trip Blank	J1105138-012	101	99	101
Lab Control Sample	JQ1106776-03	101	97	101
Method Blank	JQ1106776-04	98	98	99

Client: Waste Services of Florida, Inc. **Service Request:** J1105138
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
MW-9A	J1105138-001	96
MW-9C	J1105138-002	96
MW-8A	J1105138-003	97
MW-8C	J1105138-004	97
MW-7A	J1105138-005	97
MW-7C	J1105138-006	97
MW-6A	J1105138-007	96
MW-6C	J1105138-008	96
MW-5A	J1105138-009	97
MW-5C	J1105138-010	97
Equipment Blank-2	J1105138-011	96
Trip Blank	J1105138-012	98
Lab Control Sample	JQ1106776-03	99
Method Blank	JQ1106776-04	97

Client: Waste Services of Florida, Inc. **Service Request:** J1105138
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
MW-9A	J1105138-001	88
MW-9C	J1105138-002	95
MW-8A	J1105138-003	98
MW-8C	J1105138-004	89
MW-7A	J1105138-005	99
MW-7C	J1105138-006	103
MW-6A	J1105138-007	110
MW-6C	J1105138-008	122
MW-5A	J1105138-009	109
MW-5C	J1105138-010	109
Equipment Blank-2	J1105138-011	105
Method Blank	JQ1106666-01	91
Lab Control Sample	JQ1106666-02	114
MW-9C	JQ1106666-03	115
MW-9C	JQ1106666-04	117

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105138

Project: JED SWDF **Date Analyzed:** 11/28/11

Sample Matrix: Water

Lab Control Sample Summary

Volatile Organic Compounds by GC/MS

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

Basis: NA

Analysis Lot: 271105

Lab Control Sample

JQ1106776-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.3	20.0	97	79-120
1,1,1-Trichloroethane (TCA)	20.0	20.0	100	78-120
1,1,2,2-Tetrachloroethane	20.5	20.0	102	65-137
1,1,2-Trichloroethane	19.2	20.0	96	81-121
1,1-Dichloroethane (1,1-DCA)	19.9	20.0	99	83-119
1,1-Dichloroethene (1,1-DCE)	21.8	20.0	109	79-123
1,2,3-Trichloropropane	20.4	20.0	102	71-129
1,2-Dibromo-3-chloropropane (DBCP)	22.1	20.0	110	36-143
1,2-Dibromoethane (EDB)	20.3	20.0	102	80-122
1,2-Dichlorobenzene	18.3	20.0	92	79-114
1,2-Dichloroethane	20.1	20.0	100	73-120
1,2-Dichloropropane	19.7	20.0	99	86-116
1,4-Dichlorobenzene	18.2	20.0	91	77-117
2-Butanone (MEK)	109	100	109	38-152
2-Hexanone	106	100	106	63-131
4-Methyl-2-pentanone (MIBK)	104	100	104	69-127
Acetone	114	100	114	45-157
Acrylonitrile	120	100	120	56-139
Benzene	19.9	20.0	100	83-118
Bromochloromethane	20.8	20.0	104	82-117
Bromodichloromethane	20.0	20.0	100	77-120
Bromoform	21.2	20.0	106	38-149
Bromomethane	19.8	20.0	99	78-132
Carbon Disulfide	98.2	100	98	74-132
Carbon Tetrachloride	20.1	20.0	101	67-129
Chlorobenzene	19.1	20.0	95	83-122
Chloroethane	19.1	20.0	95	80-129
Chloroform	19.4	20.0	97	81-118
Chloromethane	18.5	20.0	93	61-138
cis-1,2-Dichloroethene	19.5	20.0	98	74-127
cis-1,3-Dichloropropene	18.8	20.0	94	80-120
Dibromochloromethane	20.3	20.0	102	71-122
Dibromomethane	20.6	20.0	103	73-125
Ethylbenzene	18.5	20.0	93	82-124
Iodomethane	104	100	104	78-128
m,p-Xylenes	37.0	40.0	92	82-125
Methylene Chloride	19.6	20.0	98	70-134
o-Xylene	18.2	20.0	91	82-122
Styrene	18.9	20.0	95	82-123
Tetrachloroethene (PCE)	19.2	20.0	96	77-129
Toluene	18.7	20.0	94	82-122
trans-1,2-Dichloroethene	20.1	20.0	100	81-119

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/28/11

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 271105

Lab Control Sample
JQ1106776-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,3-Dichloropropene	19.2	20.0	96	71-124
trans-1,4-Dichloro-2-butene	19.8	20.0	99	10-172
Trichloroethene (TCE)	19.9	20.0	100	81-120
Trichlorofluoromethane	18.8	20.0	94	72-127
Vinyl Acetate	99.8	100	100	50-145
Vinyl Chloride	20.8	20.0	104	72-133

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/22/11

Duplicate Matrix Spike Summary

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

Sample Name:	MW-9C	**Units:**	ug/L
Lab Code:	J1105138-002	**Basis:**	NA
Analysis Method:	8011		
Prep Method:	Method		

		Matrix Spike JQ1106666-03			**Duplicate Matrix Spike** JQ1106666-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.279	0.258	108	0.263	0.256	103	65-135	6	30
1,2-Dibromoethane (EDB)	ND	0.301	0.258	117	0.227	0.256	89	65-135	28	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:** J1105138

Project: JED SWDF **Date Analyzed:** 11/22/11

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: 270640

Lab Control Sample

JQ1106666-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.269	0.250	108	70-130
1,2-Dibromoethane (EDB)	0.283	0.250	113	70-130

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/18/11

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name:	MW-6C	**Units:**	ug/L
Lab Code:	J1105138-008	**Basis:**	NA

			Matrix Spike J1105138-008MS1			Duplicate Matrix Spike J1105138-008DMS1					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	6020	ND	52.1	50.0	104	51.3	50.0	103	75-125	1	20
Arsenic, Total Recoverable	6020	ND	51.6	50.0	103	51.0	50.0	102	75-125	1	20
Barium, Total Recoverable	6020	26.5	77.4	50.0	102	76.0	50.0	99	75-125	2	20
Beryllium, Total Recoverable	6020	0.09	49.1	50.0	98	47.8	50.0	95	75-125	3	20
Cadmium, Total Recoverable	6020	ND	52.5	50.0	105	52.8	50.0	106	75-125	<1	20
Chromium, Total Recoverable	6020	1.1	50.4	50.0	99	50.4	50.0	99	75-125	<1	20
Cobalt, Total Recoverable	6020	ND	50.5	50.0	101	49.9	50.0	100	75-125	1	20
Copper, Total Recoverable	6020	ND	50.7	50.0	101	49.8	50.0	100	75-125	2	20
Lead, Total Recoverable	6020	0.06	49.7	50.0	99	49.2	50.0	98	75-125	<1	20
Nickel, Total Recoverable	6020	ND	50.2	50.0	100	51.0	50.0	102	75-125	1	20
Selenium, Total Recoverable	6020	ND	51.0	50.0	102	51.0	50.0	102	75-125	<1	20
Silver, Total Recoverable	6020	ND	50.7	50.0	101	50.0	50.0	100	75-125	2	20
Thallium, Total Recoverable	6020	ND	49.3	50.0	99	48.9	50.0	98	75-125	<1	20
Vanadium, Total Recoverable	6020	2.0	50.6	50.0	97	50.2	50.0	96	75-125	<1	20
Zinc, Total Recoverable	6020	2.1	107	100	105	107	100	105	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/17/11

Duplicate Matrix Spike Summary
Mercury, Total in Liquid Waste (Manual Cold-Vapor Technique)

Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1105138-009	**Basis:**	NA
Analysis Method:	7470A		
Prep Method:	Method		

		Matrix Spike J1105138-009MS2			Duplicate Matrix Spike J1105138-009DMS2					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Mercury, Total	0.03	1.1	1.25	89	1.2	1.25	90	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/17/11 - 11/21/11

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1105138-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	54.1	50.0	108	80-120
Arsenic, Total Recoverable	6020	51.7	50.0	103	80-120
Barium, Total Recoverable	6020	51.0	50.0	102	80-120
Beryllium, Total Recoverable	6020	47.9	50.0	96	80-120
Cadmium, Total Recoverable	6020	52.2	50.0	104	80-120
Chromium, Total Recoverable	6020	50.5	50.0	101	80-120
Cobalt, Total Recoverable	6020	50.1	50.0	100	80-120
Copper, Total Recoverable	6020	50.2	50.0	100	80-120
Iron, Total Recoverable	6010B	5000	5000	100	91-113
Lead, Total Recoverable	6020	49.6	50.0	99	80-120
Mercury, Total	7470A	1.31	1.25	105	80-120
Nickel, Total Recoverable	6020	49.0	50.0	98	80-120
Selenium, Total Recoverable	6020	53.8	50.0	108	80-120
Silver, Total Recoverable	6020	49.6	50.0	99	80-120
Thallium, Total Recoverable	6020	49.6	50.0	99	80-120
Vanadium, Total Recoverable	6020	49.5	50.0	99	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: J1105138
Date Analyzed: 11/21/11

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1105138-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	25.4	25.0	102	88-119

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/16/11 - 11/21/11

Duplicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-8A	**Units:**	mg/L
Lab Code:	J1105138-003DUP1	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.005	3.66	3.64	3.65	<1	20
Solids, Total Dissolved	SM 2540 C	10	10	185	187	186	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/16/11

Duplicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-5C	**Units:**	mg/L
Lab Code:	J1105138-010DUP2	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.07	11.0	10.9	11.0	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	ND	ND	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/21/11

Matrix Spike Summary

Nitrogen, Ammonia, (Colorimetric, Automated Phenate)

Sample Name:	MW-8A	**Units:**	mg/L
Lab Code:	J1105138-003	**Basis:**	NA
Analysis Method:	350.1		

Matrix Spike

J1105138-003MS1

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	3.66	4.64	1.00	98	90-110

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1105138
Project:	JED SWDF	**Date Collected:**	11/15/11
Sample Matrix:	Water	**Date Received:**	11/16/11
		Date Analyzed:	11/16/11

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	MW-5C	**Units:**	mg/L
Lab Code:	J1105138-010	**Basis:**	NA

Matrix Spike
J1105138-010MS2

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	11.0	58.5	50.0	95	90-110
Nitrate as Nitrogen	300.0	ND	4.55	5.00	91	90-110

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/16/11 - 11/21/11

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1105138-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	1.02	1.00	102	90-110
Chloride	300.0	51.1	50.0	102	90-110
Nitrate as Nitrogen	300.0	4.93	5.00	99	90-110
Solids, Total Dissolved	SM 2540 C	270	300	90	85-115

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/17/11

Lab Control Sample Summary
Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analysis Method: SM 2540 C

Units: mg/L
Basis: NA
Analysis Lot: 270498

Lab Control Sample
J1105138-LCS2

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	296	300	99	85-115

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/21/11

Lab Control Sample Summary
Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analysis Method: SM 2540 C

Units: mg/L
Basis: NA
Analysis Lot: 270410

Lab Control Sample
J1105138-LCS3

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	298	300	99	85-115

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: J1105138
Date Analyzed: 11/22/11

Lab Control Sample Summary
Total Dissolved Solids Dried at 180 Deg C (TDS) 20th Ed.

Analysis Method: SM 2540 C

Units: mg/L
Basis: NA
Analysis Lot: 270611

Lab Control Sample
J1105138-LCS4

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	298	300	99	85-115

Columbia Analytical Services

Cooler Receipt Form

Client: WSI Service Request #: J1105138

Project: JED SWDF

Cooler received on 11-16-11 and opened on 11-16-11 by SC

COURIER: CAS (UPS) FEDEX Client Other _____ Airbill # 1ZX5W098 2210004461

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)	0.8					
5	Thermometer ID	T1					
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

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

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

www.caslab.com

PAGE 1 OF 2

SR # J1105138

CAS Contact

J1105138
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 C

PRESERVATIVE: 1 0 3 2 0

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 _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	Metals	TDS, Cl, NO_3										REMARKS/ ALTERNATE DESCRIPTION
MW-9A		11-15-11	0730	GW	9	3	3	1	1	1										
MW-9C			0810																	
MW-8A			0935																	
MW-8C			0905																	
MW-7A			1115																	
MW-7C			1050																	
MW-6A			1250																	
MW-6C			1225																	
MW-5A			1435																	
MW-5C		11-15-11	1405	GW	9	3	3	1	1	1										

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 11319-JED

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: 0.8 T71 CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Shawn Lightsey	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Shawn Lightsey	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-15-11/1530	Date/Time: 11-16-11 0945	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-3/11

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

www.caslab.com

SR # J1105138
CAS Contact

J1105138
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 a

PRESERVATIVE: 1 0 3 2 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	metals	TDS, Cl, NO3
Equipment Blank-2		11-15-11	0740	DI H_2O	9	3	3	1	1	1
Trip Blank		11-1-11	1000	DI H_2O	2	2				

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

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 11319-JED

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: 2.8 171 CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Shawn Lafty	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Shawn Lafty	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-15-11/1530	Date/Time: 11-16-11 0945	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-3/11