



June 01, 2012

Service Request No: J1202364

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 May 18, 2012
For your reference, these analyses have been assigned our service request number **J1202364**.

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. dba ALS Environmental

Craig Myers
Project Manager



ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256

PHONE +1 904 739 2277 | FAX +1 904 739 2011

Columbia Analytical Services, Inc.

Part of the ALS Group A Campbell Brothers Limited Company

Environmental

www.caslab.com ■ www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

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

Service Request: J1202364
Date Received: 5/18/12

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

Five water samples and one trip blank were received for analysis at Columbia Analytical Services on 5/18/12. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B: The upper control criterion was exceeded for the following analytes in Laboratory Control Sample (LCS) JQ1203402-01: trans-1,2-Dichloroethene. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Semi-Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

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	12/31/2012
Virginia Environmental Accreditation Program	460191	12/14/2012
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
Maine Department of Health and Human Services	2011006	2/3/2013
Pennsylvania Department of Environmental Protection	68-04835	7/31/2012
New Jersey Department of Environmental Protection	FL019	6/30/2012

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 determinations
- 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.
Project: JED SWDF

Service Request: J1202364

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1202364-001	MW-5B	5/17/2012	0805
J1202364-002	MW-4B	5/17/2012	0845
J1202364-003	MW-3B	5/17/2012	0920
J1202364-004	MW-23A	5/17/2012	1110
J1202364-005	MW-23B	5/17/2012	1035
J1202364-006	Trip Blank	5/17/2012	0000

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:05
Date Received: 05/18/12 09:35

Sample Name: MW-5B
Lab Code: J1202364-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 04:03	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 04:03	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 04:03	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 04:03	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 04:03	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 04:03	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 04:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 04:03	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 04:03	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 04:03	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 04:03	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 04:03	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 04:03	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 04:03	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 04:03	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 04:03	
Acetone	5.60 U	50.0	5.60	1	05/31/12 04:03	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 04:03	
Benzene	0.210 U	1.00	0.210	1	05/31/12 04:03	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 04:03	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 04:03	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 04:03	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 04:03	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 04:03	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 04:03	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 04:03	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 04:03	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 04:03	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 04:03	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 04:03	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 04:03	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 04:03	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 04:03	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 04:03	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 04:03	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 04:03	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 04:03	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 04:03	
Styrene	0.290 U	1.00	0.290	1	05/31/12 04:03	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 04:03	
Toluene	0.190 U	1.00	0.190	1	05/31/12 04:03	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 04:03	*

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:05
Date Received: 05/18/12 09:35

Sample Name: MW-5B
Lab Code: J1202364-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 04:03	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 04:03	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 04:03	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 04:03	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 04:03	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 04:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	113	72 - 121	05/31/12 04:03	
4-Bromofluorobenzene	98	86 - 113	05/31/12 04:03	
Dibromofluoromethane	106	86 - 112	05/31/12 04:03	
Toluene-d8	93	88 - 115	05/31/12 04:03	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:05
Date Received: 05/18/12 09:35

Sample Name: MW-5B
Lab Code: J1202364-001

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/25/12 22:04	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/25/12 22:04	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	97	70 - 130	05/25/12 22:04	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-5B
Lab Code: J1202364-001

Service Request: J1202364
Date Collected: 05/17/12 08:05
Date Received: 05/18/12 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	14.9	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.09 I	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	0.7 I	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	320	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	6.21	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.14 I	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	1.0 I	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-5B
Lab Code: J1202364-001

Service Request: J1202364
Date Collected: 05/17/12 08:05
Date Received: 05/18/12 09:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.152	mg/L	0.010	0.007	1	05/21/12 12:16	
Chloride	300.0	10.8	mg/L	0.50	0.11	1	05/18/12 13:43	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 13:43	
Solids, Total Dissolved	SM 2540 C	49	mg/L	10	10	1	05/22/12 14:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:45
Date Received: 05/18/12 09:35

Sample Name: MW-4B
Lab Code: J1202364-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 13:37	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 13:37	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 13:37	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 13:37	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 13:37	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 13:37	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 13:37	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 13:37	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 13:37	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 13:37	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 13:37	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 13:37	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 13:37	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 13:37	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 13:37	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 13:37	
Acetone	5.60 U	50.0	5.60	1	05/31/12 13:37	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 13:37	
Benzene	0.210 U	1.00	0.210	1	05/31/12 13:37	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 13:37	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 13:37	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 13:37	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 13:37	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 13:37	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 13:37	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 13:37	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 13:37	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 13:37	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 13:37	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 13:37	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 13:37	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 13:37	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 13:37	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 13:37	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 13:37	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 13:37	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 13:37	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 13:37	
Styrene	0.290 U	1.00	0.290	1	05/31/12 13:37	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 13:37	
Toluene	0.190 U	1.00	0.190	1	05/31/12 13:37	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 13:37	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:45
Date Received: 05/18/12 09:35

Sample Name: MW-4B
Lab Code: J1202364-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 13:37	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 13:37	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 13:37	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 13:37	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 13:37	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 13:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	107	72 - 121	05/31/12 13:37	
4-Bromofluorobenzene	94	86 - 113	05/31/12 13:37	
Dibromofluoromethane	104	86 - 112	05/31/12 13:37	
Toluene-d8	98	88 - 115	05/31/12 13:37	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 08:45
Date Received: 05/18/12 09:35

Sample Name: MW-4B
Lab Code: J1202364-002

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/25/12 22:24	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/25/12 22:24	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	122	70 - 130	05/25/12 22:24	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-4B
Lab Code: J1202364-002

Service Request: J1202364
Date Collected: 05/17/12 08:45
Date Received: 05/18/12 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.3 I	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	16.6	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.06 I	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	0.3 I	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	930	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	14.5	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	0.9 I	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-4B
Lab Code: J1202364-002

Service Request: J1202364
Date Collected: 05/17/12 08:45
Date Received: 05/18/12 09:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.095	mg/L	0.010	0.007	1	05/21/12 12:19	
Chloride	300.0	27.6	mg/L	0.50	0.11	1	05/18/12 13:58	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 13:58	
Solids, Total Dissolved	SM 2540 C	80	mg/L	10	10	1	05/22/12 14:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 09:20
Date Received: 05/18/12 09:35

Sample Name: MW-3B
Lab Code: J1202364-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 03:09	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 03:09	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 03:09	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 03:09	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 03:09	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 03:09	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 03:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 03:09	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 03:09	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 03:09	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 03:09	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 03:09	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 03:09	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 03:09	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 03:09	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 03:09	
Acetone	5.60 U	50.0	5.60	1	05/31/12 03:09	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 03:09	
Benzene	0.210 U	1.00	0.210	1	05/31/12 03:09	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 03:09	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 03:09	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 03:09	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 03:09	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 03:09	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 03:09	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 03:09	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 03:09	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 03:09	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 03:09	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 03:09	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 03:09	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 03:09	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 03:09	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 03:09	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 03:09	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 03:09	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 03:09	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 03:09	
Styrene	0.290 U	1.00	0.290	1	05/31/12 03:09	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 03:09	
Toluene	0.190 U	1.00	0.190	1	05/31/12 03:09	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 03:09	*

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 09:20
Date Received: 05/18/12 09:35

Sample Name: MW-3B
Lab Code: J1202364-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 03:09	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 03:09	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 03:09	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 03:09	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 03:09	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 03:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	05/31/12 03:09	
4-Bromofluorobenzene	99	86 - 113	05/31/12 03:09	
Dibromofluoromethane	105	86 - 112	05/31/12 03:09	
Toluene-d8	100	88 - 115	05/31/12 03:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 09:20
Date Received: 05/18/12 09:35

Sample Name: MW-3B
Lab Code: J1202364-003

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/25/12 22:44	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/25/12 22:44	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	109	70 - 130	05/25/12 22:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-3B
Lab Code: J1202364-003

Service Request: J1202364
Date Collected: 05/17/12 09:20
Date Received: 05/18/12 09:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	26.8	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.07 I	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	1.4	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	0.5 I	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	680	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	1.68	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	6.57	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	2.7	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-3B
Lab Code: J1202364-003

Service Request: J1202364
Date Collected: 05/17/12 09:20
Date Received: 05/18/12 09:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.110	mg/L	0.010	0.007	1	05/21/12 12:25	
Chloride	300.0	12.0	mg/L	0.50	0.11	1	05/18/12 14:30	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 14:30	
Solids, Total Dissolved	SM 2540 C	55	mg/L	10	10	1	05/22/12 14:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 11:10
Date Received: 05/18/12 09:35

Sample Name: MW-23A
Lab Code: J1202364-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 02:42	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 02:42	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 02:42	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 02:42	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 02:42	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 02:42	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 02:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 02:42	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 02:42	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 02:42	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 02:42	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 02:42	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 02:42	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 02:42	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 02:42	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 02:42	
Acetone	5.60 U	50.0	5.60	1	05/31/12 02:42	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 02:42	
Benzene	0.210 U	1.00	0.210	1	05/31/12 02:42	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 02:42	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 02:42	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 02:42	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 02:42	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 02:42	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 02:42	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 02:42	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 02:42	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 02:42	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 02:42	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 02:42	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 02:42	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 02:42	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 02:42	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 02:42	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 02:42	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 02:42	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 02:42	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 02:42	
Styrene	0.290 U	1.00	0.290	1	05/31/12 02:42	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 02:42	
Toluene	0.190 U	1.00	0.190	1	05/31/12 02:42	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 02:42	*

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 11:10
Date Received: 05/18/12 09:35

Sample Name: MW-23A
Lab Code: J1202364-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 02:42	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 02:42	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 02:42	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 02:42	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 02:42	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 02:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	105	72 - 121	05/31/12 02:42	
4-Bromofluorobenzene	99	86 - 113	05/31/12 02:42	
Dibromofluoromethane	103	86 - 112	05/31/12 02:42	
Toluene-d8	115	88 - 115	05/31/12 02:42	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 11:10
Date Received: 05/18/12 09:35

Sample Name: MW-23A
Lab Code: J1202364-004

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/25/12 23:04	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/25/12 23:04	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	116	70 - 130	05/25/12 23:04	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 11:10
Date Received: 05/18/12 09:35

Sample Name: MW-23A
Lab Code: J1202364-004

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.3 I	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.9 I	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	8.4	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	3.8	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.3 I	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	1.0 I	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	980	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	1.55	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.04 I	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	1.6 I	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	16.3	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	4.8	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-23A
Lab Code: J1202364-004

Service Request: J1202364
Date Collected: 05/17/12 11:10
Date Received: 05/18/12 09:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	4.78	mg/L	0.010	0.007	1	05/21/12 12:26	
Chloride	300.0	23.9	mg/L	0.50	0.11	1	05/18/12 15:15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 15:15	
Solids, Total Dissolved	SM 2540 C	174	mg/L	10	10	1	05/23/12 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 10:35
Date Received: 05/18/12 09:35

Sample Name: MW-23B
Lab Code: J1202364-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 02:15	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 02:15	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 02:15	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 02:15	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 02:15	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 02:15	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 02:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 02:15	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 02:15	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 02:15	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 02:15	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 02:15	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 02:15	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 02:15	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 02:15	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 02:15	
Acetone	5.60 U	50.0	5.60	1	05/31/12 02:15	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 02:15	
Benzene	0.210 U	1.00	0.210	1	05/31/12 02:15	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 02:15	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 02:15	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 02:15	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 02:15	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 02:15	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 02:15	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 02:15	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 02:15	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 02:15	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 02:15	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 02:15	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 02:15	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 02:15	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 02:15	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 02:15	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 02:15	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 02:15	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 02:15	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 02:15	
Styrene	0.290 U	1.00	0.290	1	05/31/12 02:15	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 02:15	
Toluene	0.190 U	1.00	0.190	1	05/31/12 02:15	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 02:15	*

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 10:35
Date Received: 05/18/12 09:35

Sample Name: MW-23B
Lab Code: J1202364-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 02:15	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 02:15	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 02:15	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 02:15	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 02:15	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 02:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	05/31/12 02:15	
4-Bromofluorobenzene	96	86 - 113	05/31/12 02:15	
Dibromofluoromethane	102	86 - 112	05/31/12 02:15	
Toluene-d8	96	88 - 115	05/31/12 02:15	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 10:35
Date Received: 05/18/12 09:35

Sample Name: MW-23B
Lab Code: J1202364-005

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/25/12 23:24	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/25/12 23:24	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	126	70 - 130	05/25/12 23:24	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 10:35
Date Received: 05/18/12 09:35

Sample Name: MW-23B
Lab Code: J1202364-005

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	92.1	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.15 I	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	0.5 I	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.9 I	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	2750	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	61.3	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	0.9 I	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-23B
Lab Code: J1202364-005

Service Request: J1202364
Date Collected: 05/17/12 10:35
Date Received: 05/18/12 09:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	1.76	mg/L	0.010	0.007	1	05/21/12 12:27	
Chloride	300.0	85.1	mg/L	0.50	0.11	1	05/18/12 15:30	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 15:30	
Solids, Total Dissolved	SM 2540 C	250	mg/L	10	10	1	05/23/12 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 00:00
Date Received: 05/18/12 09:35

Sample Name: Trip Blank
Lab Code: J1202364-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 01:48	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 01:48	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 01:48	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 01:48	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 01:48	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 01:48	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 01:48	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 01:48	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 01:48	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 01:48	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 01:48	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 01:48	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 01:48	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 01:48	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 01:48	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 01:48	
Acetone	5.60 U	50.0	5.60	1	05/31/12 01:48	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 01:48	
Benzene	0.210 U	1.00	0.210	1	05/31/12 01:48	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 01:48	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 01:48	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 01:48	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 01:48	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 01:48	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 01:48	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 01:48	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 01:48	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 01:48	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 01:48	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 01:48	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 01:48	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 01:48	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 01:48	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 01:48	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 01:48	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 01:48	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 01:48	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 01:48	
Styrene	0.290 U	1.00	0.290	1	05/31/12 01:48	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 01:48	
Toluene	0.190 U	1.00	0.190	1	05/31/12 01:48	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 01:48	*

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: 05/17/12 00:00
Date Received: 05/18/12 09:35

Sample Name: Trip Blank
Lab Code: J1202364-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 01:48	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 01:48	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 01:48	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 01:48	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 01:48	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 01:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	05/31/12 01:48	
4-Bromofluorobenzene	92	86 - 113	05/31/12 01:48	
Dibromofluoromethane	106	86 - 112	05/31/12 01:48	
Toluene-d8	113	88 - 115	05/31/12 01:48	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203402-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/30/12 20:25	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/30/12 20:25	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/30/12 20:25	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/30/12 20:25	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/30/12 20:25	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/30/12 20:25	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/30/12 20:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/30/12 20:25	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/30/12 20:25	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/30/12 20:25	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/30/12 20:25	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/30/12 20:25	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/30/12 20:25	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/30/12 20:25	
2-Hexanone	2.20 U	25.0	2.20	1	05/30/12 20:25	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/30/12 20:25	
Acetone	5.60 U	50.0	5.60	1	05/30/12 20:25	
Acrylonitrile	1.50 U	10.0	1.50	1	05/30/12 20:25	
Benzene	0.210 U	1.00	0.210	1	05/30/12 20:25	
Bromochloromethane	0.270 U	5.00	0.270	1	05/30/12 20:25	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/30/12 20:25	
Bromoform	0.420 U	2.00	0.420	1	05/30/12 20:25	
Bromomethane	0.230 U	5.00	0.230	1	05/30/12 20:25	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/30/12 20:25	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/30/12 20:25	
Chlorobenzene	0.160 U	1.00	0.160	1	05/30/12 20:25	
Chloroethane	0.520 U	5.00	0.520	1	05/30/12 20:25	
Chloroform	0.350 U	1.00	0.350	1	05/30/12 20:25	
Chloromethane	0.360 U	1.00	0.360	1	05/30/12 20:25	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/30/12 20:25	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/30/12 20:25	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/30/12 20:25	
Dibromomethane	0.360 U	5.00	0.360	1	05/30/12 20:25	
Ethylbenzene	0.210 U	1.00	0.210	1	05/30/12 20:25	
Iodomethane	2.70 U	5.00	2.70	1	05/30/12 20:25	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/30/12 20:25	
Methylene Chloride	0.210 U	5.00	0.210	1	05/30/12 20:25	
o-Xylene	0.140 U	1.00	0.140	1	05/30/12 20:25	
Styrene	0.290 U	1.00	0.290	1	05/30/12 20:25	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/30/12 20:25	
Toluene	0.190 U	1.00	0.190	1	05/30/12 20:25	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/30/12 20:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203402-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/30/12 20:25	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/30/12 20:25	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/30/12 20:25	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/30/12 20:25	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/30/12 20:25	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/30/12 20:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	72 - 121	05/30/12 20:25	
4-Bromofluorobenzene	94	86 - 113	05/30/12 20:25	
Dibromofluoromethane	110	86 - 112	05/30/12 20:25	
Toluene-d8	94	88 - 115	05/30/12 20:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203443-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.190 U	1.00	0.190	1	05/31/12 13:10	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/31/12 13:10	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/31/12 13:10	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/31/12 13:10	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/31/12 13:10	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/31/12 13:10	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/31/12 13:10	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/31/12 13:10	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/31/12 13:10	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/31/12 13:10	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/31/12 13:10	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/31/12 13:10	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/31/12 13:10	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/31/12 13:10	
2-Hexanone	2.20 U	25.0	2.20	1	05/31/12 13:10	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/31/12 13:10	
Acetone	5.60 U	50.0	5.60	1	05/31/12 13:10	
Acrylonitrile	1.50 U	10.0	1.50	1	05/31/12 13:10	
Benzene	0.210 U	1.00	0.210	1	05/31/12 13:10	
Bromochloromethane	0.270 U	5.00	0.270	1	05/31/12 13:10	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/31/12 13:10	
Bromoform	0.420 U	2.00	0.420	1	05/31/12 13:10	
Bromomethane	0.230 U	5.00	0.230	1	05/31/12 13:10	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/31/12 13:10	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/31/12 13:10	
Chlorobenzene	0.160 U	1.00	0.160	1	05/31/12 13:10	
Chloroethane	0.520 U	5.00	0.520	1	05/31/12 13:10	
Chloroform	0.350 U	1.00	0.350	1	05/31/12 13:10	
Chloromethane	0.360 U	1.00	0.360	1	05/31/12 13:10	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/31/12 13:10	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/31/12 13:10	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/31/12 13:10	
Dibromomethane	0.360 U	5.00	0.360	1	05/31/12 13:10	
Ethylbenzene	0.210 U	1.00	0.210	1	05/31/12 13:10	
Iodomethane	2.70 U	5.00	2.70	1	05/31/12 13:10	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/31/12 13:10	
Methylene Chloride	0.210 U	5.00	0.210	1	05/31/12 13:10	
o-Xylene	0.140 U	1.00	0.140	1	05/31/12 13:10	
Styrene	0.290 U	1.00	0.290	1	05/31/12 13:10	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/31/12 13:10	
Toluene	0.190 U	1.00	0.190	1	05/31/12 13:10	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/31/12 13:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203443-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/31/12 13:10	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/31/12 13:10	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/31/12 13:10	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/31/12 13:10	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/31/12 13:10	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/31/12 13:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/31/12 13:10	
4-Bromofluorobenzene	98	86 - 113	05/31/12 13:10	
Dibromofluoromethane	103	86 - 112	05/31/12 13:10	
Toluene-d8	88	88 - 115	05/31/12 13:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203266-01

Units: ug/L
Basis: NA

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

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/25/12 18:05	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/25/12 18:05	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	88	70 - 130	05/25/12 18:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202364
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: J1202364-MB

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/22/12	5/21/12	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/22/12	5/21/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/22/12	5/21/12	
Chromium, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/22/12	5/21/12	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	05/22/12	5/21/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/22/12	5/21/12	
Iron, Total Recoverable	6010B	3 U	ug/L	100	3	1	05/21/12	5/21/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/22/12	5/21/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/22/12	5/21/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/22/12	5/21/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/22/12	5/21/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/22/12	5/21/12	
Sodium, Total Recoverable	6010B	0.05 I	mg/L	0.50	0.03	1	05/21/12	5/21/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/22/12	5/21/12	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	05/22/12	5/21/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/22/12	5/21/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1202364-MB1

Service Request: J1202364
Date Collected: NA
Date Received: NA
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.007 U	mg/L	0.010	0.007	1	05/21/12 12:15	
Chloride	300.0	0.11 U	mg/L	0.50	0.11	1	05/18/12 12:44	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/18/12 12:44	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	05/22/12 14:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1202364-MB2

Service Request: J1202364
Date Collected: NA
Date Received: NA
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	05/23/12 10:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Waste Services of Florida, Inc.**Service Request:** J1202364**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	4-Bromofluorobenzene	Dibromofluoromethane
		72 - 121	86 - 113	86 - 112
MW-5B	J1202364-001	113	98	106
MW-4B	J1202364-002	107	94	104
MW-3B	J1202364-003	103	99	105
MW-23A	J1202364-004	105	99	103
MW-23B	J1202364-005	106	96	102
Trip Blank	J1202364-006	106	92	106
Lab Control Sample	JQ1203402-01	102	83	102
Method Blank	JQ1203402-02	112	94	110
Lab Control Sample	JQ1203443-01	109	92	109
Method Blank	JQ1203443-02	101	98	103

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Waste Services of Florida, Inc.**Service Request:** J1202364**Project:** JED SWDF**Sample Matrix:** Water**SURROGATE RECOVERY SUMMARY**

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-5B	J1202364-001	93
MW-4B	J1202364-002	98
MW-3B	J1202364-003	100
MW-23A	J1202364-004	115
MW-23B	J1202364-005	96
Trip Blank	J1202364-006	113
Lab Control Sample	JQ1203402-01	97
Method Blank	JQ1203402-02	94
Lab Control Sample	JQ1203443-01	110
Method Blank	JQ1203443-02	88

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/30/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 293932

Lab Control Sample
JQ1203402-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.1	20.0	95	77-118
1,1,1-Trichloroethane (TCA)	20.9	20.0	105	70-122
1,1,2,2-Tetrachloroethane	18.6	20.0	93	66-135
1,1,2-Trichloroethane	15.9	20.0	80	75-122
1,1-Dichloroethane (1,1-DCA)	20.9	20.0	104	79-117
1,1-Dichloroethene (1,1-DCE)	20.1	20.0	100	72-128
1,2,3-Trichloropropane	19.1	20.0	95	70-123
1,2-Dibromo-3-chloropropane (DBCP)	23.9	20.0	119	60-122
1,2-Dibromoethane (EDB)	19.0	20.0	95	76-118
1,2-Dichlorobenzene	20.6	20.0	103	81-115
1,2-Dichloroethane	19.9	20.0	99	70-117
1,2-Dichloropropane	17.0	20.0	85	79-117
1,4-Dichlorobenzene	20.5	20.0	102	82-115
2-Butanone (MEK)	102	100	102	62-138
2-Hexanone	94.7	100	95	74-127
4-Methyl-2-pentanone (MIBK)	85.9	100	86	77-120
Acetone	99.8	100	100	42-161
Acrylonitrile	100	100	100	63-132
Benzene	19.8	20.0	99	80-117
Bromochloromethane	20.0	20.0	100	78-118
Bromodichloromethane	17.1	20.0	85	75-118
Bromoform	18.3	20.0	92	63-121
Bromomethane	19.8	20.0	99	31-153
Carbon Disulfide	110	100	110	72-128
Carbon Tetrachloride	21.0	20.0	105	67-124
Chlorobenzene	19.1	20.0	95	83-118
Chloroethane	20.6	20.0	103	68-132
Chloroform	21.0	20.0	105	77-116
Chloromethane	18.9	20.0	95	60-128
cis-1,2-Dichloroethene	20.3	20.0	102	78-117
cis-1,3-Dichloropropene	18.5	20.0	93	80-119
Dibromochloromethane	19.7	20.0	99	74-121
Dibromomethane	17.3	20.0	86	76-117
Ethylbenzene	19.0	20.0	95	82-119
Iodomethane	95.4	100	95	51-137
m,p-Xylenes	39.0	40.0	98	79-122
Methylene Chloride	18.9	20.0	95	75-123
o-Xylene	19.0	20.0	95	80-119
Styrene	18.8	20.0	94	80-121
Tetrachloroethene (PCE)	19.6	20.0	98	75-126
Toluene	18.8	20.0	94	52-152

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/30/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 293932

Lab Control Sample
JQ1203402-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	25.8	20.0	129 *	75-121
trans-1,3-Dichloropropene	18.1	20.0	91	76-118
trans-1,4-Dichloro-2-butene	19.1	20.0	95	10-198
Trichloroethene (TCE)	18.3	20.0	92	78-122
Trichlorofluoromethane	20.5	20.0	103	58-134
Vinyl Acetate	100	100	100	36-169
Vinyl Chloride	19.9	20.0	99	69-138

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/31/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L

Basis: NA

Analysis Lot: 294193

Lab Control Sample
JQ1203443-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	18.9	20.0	95	77-118
1,1,1-Trichloroethane (TCA)	20.7	20.0	103	70-122
1,1,2,2-Tetrachloroethane	18.4	20.0	92	66-135
1,1,2-Trichloroethane	19.9	20.0	99	75-122
1,1-Dichloroethane (1,1-DCA)	20.7	20.0	104	79-117
1,1-Dichloroethene (1,1-DCE)	20.2	20.0	101	72-128
1,2,3-Trichloropropane	18.9	20.0	94	70-123
1,2-Dibromo-3-chloropropane (DBCP)	24.2	20.0	121	60-122
1,2-Dibromoethane (EDB)	17.8	20.0	89	76-118
1,2-Dichlorobenzene	17.2	20.0	86	81-115
1,2-Dichloroethane	19.8	20.0	99	70-117
1,2-Dichloropropane	17.4	20.0	87	79-117
1,4-Dichlorobenzene	18.4	20.0	92	82-115
2-Butanone (MEK)	110	100	110	62-138
2-Hexanone	99.8	100	100	74-127
4-Methyl-2-pentanone (MIBK)	102	100	102	77-120
Acetone	103	100	103	42-161
Acrylonitrile	98.9	100	99	63-132
Benzene	19.9	20.0	99	80-117
Bromochloromethane	20.3	20.0	102	78-118
Bromodichloromethane	20.1	20.0	101	75-118
Bromoform	18.0	20.0	90	63-121
Bromomethane	18.8	20.0	94	31-153
Carbon Disulfide	94.4	100	94	72-128
Carbon Tetrachloride	20.8	20.0	104	67-124
Chlorobenzene	18.1	20.0	91	83-118
Chloroethane	20.9	20.0	105	68-132
Chloroform	20.6	20.0	103	77-116
Chloromethane	18.8	20.0	94	60-128
cis-1,2-Dichloroethene	20.4	20.0	102	78-117
cis-1,3-Dichloropropene	20.6	20.0	103	80-119
Dibromochloromethane	18.1	20.0	90	74-121
Dibromomethane	20.3	20.0	102	76-117
Ethylbenzene	18.1	20.0	91	82-119
Iodomethane	92.9	100	93	51-137
m,p-Xylenes	36.3	40.0	91	79-122
Methylene Chloride	19.3	20.0	96	75-123
o-Xylene	16.8	20.0	84	80-119
Styrene	16.8	20.0	84	80-121
Tetrachloroethene (PCE)	18.5	20.0	92	75-126
Toluene	20.2	20.0	101	52-152

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/31/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 294193

Lab Control Sample
JQ1203443-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	23.0	20.0	115	75-121
trans-1,3-Dichloropropene	20.5	20.0	103	76-118
trans-1,4-Dichloro-2-butene	18.4	20.0	92	10-198
Trichloroethene (TCE)	17.2	20.0	86	78-122
Trichlorofluoromethane	21.1	20.0	105	58-134
Vinyl Acetate	105	100	105	36-169
Vinyl Chloride	20.7	20.0	103	69-138

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Waste Services of Florida, Inc.**Service Request:** J1202364**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

1,1,1,2-Tetrachloroethane		
Sample Name	Lab Code	70 - 130
MW-5B	J1202364-001	97
MW-4B	J1202364-002	122
MW-3B	J1202364-003	109
MW-23A	J1202364-004	116
MW-23B	J1202364-005	126
Method Blank	JQ1203266-01	88
Lab Control Sample	JQ1203266-02	99

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/25/12
Date Extracted: 05/25/12

Lab Control Sample Summary

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

Analysis Method: 8011
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 293716

**Lab Control Sample
JQ1203266-02**

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.242	0.250	97	70-130
1,2-Dibromoethane (EDB)	0.265	0.250	106	70-130

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Collected: 05/17/12
Date Received: 05/18/12
Date Analyzed: 5/22/12

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-5B
Lab Code: J1202364-001

Units: ug/L
Basis: NA

Matrix Spike
J1202364-001MS

Duplicate Matrix Spike
J1202364-001DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Antimony, Total Recoverable	6020	0.2	53.5	50.0	107	52.2	50.0	104	75-125	2	20
Arsenic, Total Recoverable	6020	0.5	51.5	50.0	103	49.7	50.0	99	75-125	4	20
Barium, Total Recoverable	6020	14.9	66.1	50.0	102	66.1	50.0	102	75-125	<1	20
Beryllium, Total Recoverable	6020	0.09	49.4	50.0	99	50.8	50.0	101	75-125	3	20
Cadmium, Total Recoverable	6020	0.10	51.2	50.0	102	50.9	50.0	102	75-125	<1	20
Chromium, Total Recoverable	6020	0.7	52.6	50.0	104	51.9	50.0	102	75-125	1	20
Cobalt, Total Recoverable	6020	0.2	53.1	50.0	106	52.1	50.0	104	75-125	2	20
Copper, Total Recoverable	6020	0.3	52.4	50.0	105	51.3	50.0	103	75-125	2	20
Lead, Total Recoverable	6020	0.12	50.8	50.0	102	51.0	50.0	102	75-125	<1	20
Nickel, Total Recoverable	6020	0.5	52.7	50.0	105	52.3	50.0	105	75-125	<1	20
Selenium, Total Recoverable	6020	1.1	37.8	50.0	76	38.3	50.0	77	75-125	1	20
Silver, Total Recoverable	6020	0.06	50.1	50.0	100	50.4	50.0	101	75-125	<1	20
Thallium, Total Recoverable	6020	0.14	50.7	50.0	101	51.0	50.0	102	75-125	<1	20
Vanadium, Total Recoverable	6020	1.0	53.8	50.0	106	51.5	50.0	101	75-125	4	20
Zinc, Total Recoverable	6020	1.6	104	100	104	101	100	101	75-125	3	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.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/21/12 - 05/22/12

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L**Basis:** NA

Lab Control Sample
J1202364-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	53.3	50.0	107	80-120
Arsenic, Total Recoverable	6020	51.1	50.0	102	80-120
Barium, Total Recoverable	6020	52.2	50.0	104	80-120
Beryllium, Total Recoverable	6020	48.5	50.0	97	80-120
Cadmium, Total Recoverable	6020	50.8	50.0	102	80-120
Chromium, Total Recoverable	6020	51.8	50.0	104	80-120
Cobalt, Total Recoverable	6020	52.6	50.0	105	80-120
Copper, Total Recoverable	6020	52.0	50.0	104	80-120
Iron, Total Recoverable	6010B	5280	5000	106	80-120
Lead, Total Recoverable	6020	50.7	50.0	101	80-120
Mercury, Total	7470A	1.20	1.25	96	80-120
Nickel, Total Recoverable	6020	52.0	50.0	104	80-120
Selenium, Total Recoverable	6020	50.5	50.0	101	80-120
Silver, Total Recoverable	6020	50.3	50.0	101	80-120
Thallium, Total Recoverable	6020	50.9	50.0	102	80-120
Vanadium, Total Recoverable	6020	51.9	50.0	104	80-120
Zinc, Total Recoverable	6020	103	100	103	80-120

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 5/21/12

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1202364-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	26.1	25.0	104	80-120

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Collected: 05/17/12
Date Received: 05/18/12
Date Analyzed: 05/21/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-5B **Units:** mg/L
Lab Code: J1202364-001 **Basis:** NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1202364-001DUP	Average	RPD	RPD Limit
					Result			
Ammonia as Nitrogen	350.1	0.010	0.007	0.152	0.151	0.152	<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.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364**Date Collected:** 05/17/12**Date Received:** 05/18/12**Date Analyzed:** 05/21/12

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-5B
Lab Code: J1202364-001
Analysis Method: 350.1

Units: mg/L**Basis:** NA

Matrix Spike
J1202364-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.152	1.12	1.00	97	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.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/18/12 - 05/22/12

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L**Basis:** NA**Lab Control Sample**

J1202364-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.990	1.00	99	90-110
Chloride	300.0	52.8	50.0	106	90-110
Nitrate as Nitrogen	300.0	5.19	5.00	104	90-110
Solids, Total Dissolved	SM 2540 C	303	300	101	85-115

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202364
Date Analyzed: 05/23/12

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units: mg/L

Basis: NA

Analysis Lot: 292824

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	J1202364-LCS2	289	300	96	85-115

Cooler Receipt Form

Client: WSI
Project: JED SWDF

Service Request #: 31202364

Cooler received on 5/18/12

and opened on 5/18/12 by _____

COURIER: ALS ☒ UPS ☐ FEDEX ☐ Client ☐ Other _____ Airbill # 1ZX5W0982210006712

- 1 Were custody seals on outside of cooler? ☒ Yes ☐ No
If yes, how many and where? # 1 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 $> 0^{\circ}\text{C}$ and $< 6^{\circ}\text{C}$) 4.6 $^{\circ}\text{C}$
- 5 Thermometer ID 71
- 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?
☒ 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 KK 5/18/12
- 16 Where did the bottles originate? ☒ ALS ☐ 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:



SR # 51202364

CAS Contact

Name _____

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