



June 01, 2012

Service Request No: J1202333

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 17, 2012
For your reference, these analyses have been assigned our service request number **J1202333**.

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



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Columbia Analytical Services, Inc.

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

Service Request: J1202333
Date Received: 5/17/12

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

Eleven water samples and two trip blanks were received for analysis at Columbia Analytical Services on 5/17/12. 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 analyte in Laboratory Control Samples (LCS) JQ1203314-03 and JQ1203342-01: Bromoform. 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:

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

Method 8011: The upper control criterion was exceeded for the following surrogate in Method Blank JQ1203265-01: 1,1,1,2-Tetrachloroethane. No target analytes were detected in the Method Blank. Since the apparent problem equates to a high bias, the data quality is not significantly affected. No further corrective action was appropriate.

Metals Analyses:

Method 6020: The matrix spike recoveries of Selenium for sample MW-9A were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential bias in this matrix. No further corrective action was appropriate.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Approved by  Date 6/1/2012

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: J1202333

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1202333-001	MW-9A	5/16/2012	0905
J1202333-002	MW-9B	5/16/2012	0835
J1202333-003	MW-8A	5/16/2012	1005
J1202333-004	MW-8B	5/16/2012	1035
J1202333-005	MW-6B	5/16/2012	1310
J1202333-006	Equipment Blank-2	5/16/2012	0930
J1202333-007	Trip Blank-1	5/16/2012	0000
J1202333-008	MW-1A	5/16/2012	1445
J1202333-009	MW-1B	5/16/2012	1415
J1202333-010	MW-7A	5/16/2012	1205
J1202333-011	MW-7B	5/16/2012	1140
J1202333-012	MW-2B	5/16/2012	1555
J1202333-013	Trip Blank-2	5/16/2012	0000

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 09:05
Date Received: 05/17/12 09:20

Sample Name: MW-9A
Lab Code: J1202333-001

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	05/27/12 02:23	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 02:23	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 02:23	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 02:23	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 02:23	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 02:23	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 02:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 02:23	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 02:23	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 02:23	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 02:23	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 02:23	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 02:23	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 02:23	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 02:23	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 02:23	
Acetone	5.60 U	50.0	5.60	1	05/27/12 02:23	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 02:23	
Benzene	5.24	1.00	0.210	1	05/27/12 02:23	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 02:23	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 02:23	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 02:23	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 02:23	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 02:23	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 02:23	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 02:23	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 02:23	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 02:23	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 02:23	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 02:23	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 02:23	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 02:23	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 02:23	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 02:23	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 02:23	
m,p-Xylenes	0.370 I	2.00	0.310	1	05/27/12 02:23	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 02:23	
o-Xylene	0.340 I	1.00	0.140	1	05/27/12 02:23	
Styrene	0.290 U	1.00	0.290	1	05/27/12 02:23	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 02:23	
Toluene	0.190 U	1.00	0.190	1	05/27/12 02:23	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 02:23	

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 09:05
Date Received: 05/17/12 09:20

Sample Name: MW-9A
Lab Code: J1202333-001

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	05/27/12 02:23	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 02:23	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 02:23	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 02:23	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 02:23	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 02:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	72 - 121	05/27/12 02:23	
4-Bromofluorobenzene	106	86 - 113	05/27/12 02:23	
Dibromofluoromethane	90	86 - 112	05/27/12 02:23	
Toluene-d8	112	88 - 115	05/27/12 02:23	

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Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 09:05
Date Received: 05/17/12 09:20

Sample Name: MW-9A
Lab Code: J1202333-001

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)	0.00709 U	0.0202	0.00709	1	05/26/12 06:24	5/25/12	
1,2-Dibromoethane (EDB)	0.00709 U	0.0202	0.00709	1	05/26/12 06:24	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	92	70 - 130	05/26/12 06:24	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-9A
Lab Code: J1202333-001

Service Request: J1202333
Date Collected: 05/16/12 09:05
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	1.7	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	15.2	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	2.0	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	1.1	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.4 I	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	5480	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	1.8 I	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	29.3	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	1.7 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-9A
Lab Code: J1202333-001

Service Request: J1202333
Date Collected: 05/16/12 09:05
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	20.9	mg/L	0.050	0.035	5	05/21/12 12:01	
Chloride	300.0	24.8	mg/L	0.50	0.11	1	05/17/12 15:33	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 15:33	
Solids, Total Dissolved	SM 2540 C	279	mg/L	10	10	1	05/18/12 14:05	

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Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 08:35
Date Received: 05/17/12 09:20

Sample Name: MW-9B
Lab Code: J1202333-002

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	05/27/12 02:53	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 02:53	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 02:53	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 02:53	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 02:53	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 02:53	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 02:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 02:53	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 02:53	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 02:53	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 02:53	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 02:53	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 02:53	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 02:53	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 02:53	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 02:53	
Acetone	5.60 U	50.0	5.60	1	05/27/12 02:53	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 02:53	
Benzene	0.210 U	1.00	0.210	1	05/27/12 02:53	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 02:53	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 02:53	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 02:53	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 02:53	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 02:53	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 02:53	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 02:53	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 02:53	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 02:53	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 02:53	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 02:53	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 02:53	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 02:53	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 02:53	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 02:53	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 02:53	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 02:53	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 02:53	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 02:53	
Styrene	0.290 U	1.00	0.290	1	05/27/12 02:53	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 02:53	
Toluene	0.190 U	1.00	0.190	1	05/27/12 02:53	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 02:53	

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 08:35
Date Received: 05/17/12 09:20

Sample Name: MW-9B
Lab Code: J1202333-002

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	05/27/12 02:53	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 02:53	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 02:53	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 02:53	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 02:53	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 02:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/27/12 02:53	
4-Bromofluorobenzene	103	86 - 113	05/27/12 02:53	
Dibromofluoromethane	90	86 - 112	05/27/12 02:53	
Toluene-d8	110	88 - 115	05/27/12 02:53	

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: J1202333
Date Collected: 05/16/12 08:35
Date Received: 05/17/12 09:20

Sample Name: MW-9B
Lab Code: J1202333-002

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	0.0197	0.00700	1	05/26/12 06:44	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0197	0.00700	1	05/26/12 06:44	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	102	70 - 130	05/26/12 06:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 08:35
Date Received: 05/17/12 09:20

Sample Name: MW-9B
Lab Code: J1202333-002

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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.8 I	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	71.2	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.11 I	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	1.6	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.6 I	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	2600	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	21.2	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 I	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	1.7 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-9B
Lab Code: J1202333-002

Service Request: J1202333
Date Collected: 05/16/12 08:35
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.218	mg/L	0.010	0.007	1	05/21/12 12:01	
Chloride	300.0	31.9	mg/L	0.50	0.11	1	05/17/12 16:18	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 16:18	
Solids, Total Dissolved	SM 2540 C	128	mg/L	10	10	1	05/18/12 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: J1202333
Date Collected: 05/16/12 10:05
Date Received: 05/17/12 09:20

Sample Name: MW-8A
Lab Code: J1202333-003

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	05/27/12 03:23	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 03:23	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 03:23	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 03:23	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 03:23	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 03:23	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 03:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 03:23	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 03:23	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 03:23	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 03:23	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 03:23	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 03:23	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 03:23	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 03:23	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 03:23	
Acetone	5.60 U	50.0	5.60	1	05/27/12 03:23	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 03:23	
Benzene	1.62	1.00	0.210	1	05/27/12 03:23	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 03:23	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 03:23	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 03:23	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 03:23	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 03:23	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 03:23	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 03:23	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 03:23	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 03:23	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 03:23	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 03:23	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 03:23	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 03:23	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 03:23	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 03:23	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 03:23	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 03:23	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 03:23	
o-Xylene	0.400 I	1.00	0.140	1	05/27/12 03:23	
Styrene	0.290 U	1.00	0.290	1	05/27/12 03:23	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 03:23	
Toluene	0.190 U	1.00	0.190	1	05/27/12 03:23	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 03:23	

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: J1202333
Date Collected: 05/16/12 10:05
Date Received: 05/17/12 09:20

Sample Name: MW-8A
Lab Code: J1202333-003

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	05/27/12 03:23	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 03:23	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 03:23	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 03:23	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 03:23	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 03:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	72 - 121	05/27/12 03:23	
4-Bromofluorobenzene	105	86 - 113	05/27/12 03:23	
Dibromofluoromethane	90	86 - 112	05/27/12 03:23	
Toluene-d8	106	88 - 115	05/27/12 03:23	

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: J1202333
Date Collected: 05/16/12 10:05
Date Received: 05/17/12 09:20

Sample Name: MW-8A
Lab Code: J1202333-003

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	0.0199	0.00700	1	05/26/12 07:03	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/26/12 07:03	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	79	70 - 130	05/26/12 07:03	

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: J1202333
Date Collected: 05/16/12 10:05
Date Received: 05/17/12 09:20

Sample Name: MW-8A
Lab Code: J1202333-003

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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	1.1	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	31.5	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.05 I	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	3.0	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	1.6	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	5820	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	2.6	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	25.6	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	5.2	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-8A
Lab Code: J1202333-003

Service Request: J1202333
Date Collected: 05/16/12 10:05
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	7.51	mg/L	0.010	0.007	1	05/21/12 12:02	
Chloride	300.0	62.4	mg/L	0.50	0.11	1	05/17/12 16:33	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 16:33	
Solids, Total Dissolved	SM 2540 C	166	mg/L	10	10	1	05/18/12 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: J1202333
Date Collected: 05/16/12 10:35
Date Received: 05/17/12 09:20

Sample Name: MW-8B
Lab Code: J1202333-004

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	05/27/12 03:53	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 03:53	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 03:53	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 03:53	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 03:53	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 03:53	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 03:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 03:53	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 03:53	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 03:53	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 03:53	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 03:53	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 03:53	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 03:53	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 03:53	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 03:53	
Acetone	5.60 U	50.0	5.60	1	05/27/12 03:53	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 03:53	
Benzene	0.210 U	1.00	0.210	1	05/27/12 03:53	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 03:53	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 03:53	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 03:53	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 03:53	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 03:53	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 03:53	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 03:53	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 03:53	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 03:53	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 03:53	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 03:53	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 03:53	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 03:53	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 03:53	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 03:53	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 03:53	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 03:53	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 03:53	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 03:53	
Styrene	0.290 U	1.00	0.290	1	05/27/12 03:53	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 03:53	
Toluene	0.190 U	1.00	0.190	1	05/27/12 03:53	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 03:53	

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: J1202333
Date Collected: 05/16/12 10:35
Date Received: 05/17/12 09:20

Sample Name: MW-8B
Lab Code: J1202333-004

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	05/27/12 03:53	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 03:53	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 03:53	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 03:53	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 03:53	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 03:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	72 - 121	05/27/12 03:53	
4-Bromofluorobenzene	103	86 - 113	05/27/12 03:53	
Dibromofluoromethane	91	86 - 112	05/27/12 03:53	
Toluene-d8	112	88 - 115	05/27/12 03:53	

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: J1202333
Date Collected: 05/16/12 10:35
Date Received: 05/17/12 09:20

Sample Name: MW-8B
Lab Code: J1202333-004

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	05/26/12 07:23	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/26/12 07:23	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	76	70 - 130	05/26/12 07:23	

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-8B
Lab Code: J1202333-004

Service Request: J1202333
Date Collected: 05/16/12 10:35
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	31.2	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	1.3	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.2 U	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	1240	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.51	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	7.97	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	2.5	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-8B
Lab Code: J1202333-004

Service Request: J1202333
Date Collected: 05/16/12 10:35
Date Received: 05/17/12 09:20

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.121	mg/L	0.010	0.007	1	05/21/12 12:03	
Chloride	300.0	17.0	mg/L	0.50	0.11	1	05/17/12 16:48	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 16:48	
Solids, Total Dissolved	SM 2540 C	67	mg/L	10	10	1	05/18/12 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: J1202333
Date Collected: 05/16/12 13:10
Date Received: 05/17/12 09:20

Sample Name: MW-6B
Lab Code: J1202333-005

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	05/27/12 04:23	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 04:23	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 04:23	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 04:23	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 04:23	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 04:23	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 04:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 04:23	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 04:23	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 04:23	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 04:23	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 04:23	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 04:23	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 04:23	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 04:23	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 04:23	
Acetone	5.60 U	50.0	5.60	1	05/27/12 04:23	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 04:23	
Benzene	0.210 U	1.00	0.210	1	05/27/12 04:23	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 04:23	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 04:23	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 04:23	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 04:23	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 04:23	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 04:23	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 04:23	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 04:23	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 04:23	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 04:23	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 04:23	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 04:23	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 04:23	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 04:23	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 04:23	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 04:23	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 04:23	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 04:23	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 04:23	
Styrene	0.290 U	1.00	0.290	1	05/27/12 04:23	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 04:23	
Toluene	0.190 U	1.00	0.190	1	05/27/12 04:23	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 04:23	

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: J1202333
Date Collected: 05/16/12 13:10
Date Received: 05/17/12 09:20

Sample Name: MW-6B
Lab Code: J1202333-005

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	05/27/12 04:23	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 04:23	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 04:23	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 04:23	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 04:23	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 04:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/27/12 04:23	
4-Bromofluorobenzene	103	86 - 113	05/27/12 04:23	
Dibromofluoromethane	92	86 - 112	05/27/12 04:23	
Toluene-d8	107	88 - 115	05/27/12 04:23	

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: J1202333
Date Collected: 05/16/12 13:10
Date Received: 05/17/12 09:20

Sample Name: MW-6B
Lab Code: J1202333-005

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 19:25	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/25/12 19:25	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	75	70 - 130	05/25/12 19:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water
Sample Name: MW-6B
Lab Code: J1202333-005

Service Request: J1202333
Date Collected: 05/16/12 13:10
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	20.4	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.06 I	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.9 I	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	900	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	8.00	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	1.3 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-6B
Lab Code: J1202333-005

Service Request: J1202333
Date Collected: 05/16/12 13:10
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.008 I	mg/L	0.010	0.007	1	05/21/12 12:04	
Chloride	300.0	14.6	mg/L	0.50	0.11	1	05/17/12 17:03	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 17:03	
Solids, Total Dissolved	SM 2540 C	56	mg/L	10	10	1	05/18/12 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: J1202333
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:20

Sample Name: Equipment Blank-2
Lab Code: J1202333-006

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	05/27/12 01:53	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 01:53	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 01:53	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 01:53	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 01:53	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 01:53	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 01:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 01:53	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 01:53	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 01:53	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 01:53	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 01:53	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 01:53	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 01:53	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 01:53	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 01:53	
Acetone	5.60 U	50.0	5.60	1	05/27/12 01:53	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 01:53	
Benzene	0.210 U	1.00	0.210	1	05/27/12 01:53	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 01:53	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 01:53	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 01:53	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 01:53	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 01:53	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 01:53	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 01:53	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 01:53	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 01:53	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 01:53	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 01:53	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 01:53	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 01:53	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 01:53	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 01:53	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 01:53	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 01:53	
Methylene Chloride	20.3	5.00	0.210	1	05/27/12 01:53	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 01:53	
Styrene	0.290 U	1.00	0.290	1	05/27/12 01:53	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 01:53	
Toluene	0.190 U	1.00	0.190	1	05/27/12 01:53	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 01:53	

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: J1202333
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:20

Sample Name: Equipment Blank-2
Lab Code: J1202333-006

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	05/27/12 01:53	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 01:53	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 01:53	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 01:53	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 01:53	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 01:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	72 - 121	05/27/12 01:53	
4-Bromofluorobenzene	106	86 - 113	05/27/12 01:53	
Dibromofluoromethane	88	86 - 112	05/27/12 01:53	
Toluene-d8	113	88 - 115	05/27/12 01:53	

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: J1202333
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:20

Sample Name: Equipment Blank-2
Lab Code: J1202333-006

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)	0.00707 U	0.0202	0.00707	1	05/25/12 19:44	5/25/12	
1,2-Dibromoethane (EDB)	0.00707 U	0.0202	0.00707	1	05/25/12 19:44	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	105	70 - 130	05/25/12 19:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:20

Sample Name: Equipment Blank-2
Lab Code: J1202333-006

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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	4 I	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	0.42 I	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:20

Sample Name: Equipment Blank-2
Lab Code: J1202333-006

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 12:05	
Chloride	300.0	0.11 U	mg/L	0.50	0.11	1	05/17/12 17:18	
Nitrate as Nitrogen	300.0	0.17 I	mg/L	0.20	0.03	1	05/17/12 17:18	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	05/18/12 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: J1202333
Date Collected: 05/16/12 00:00
Date Received: 05/17/12 09:20

Sample Name: Trip Blank-1
Lab Code: J1202333-007

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	05/27/12 01:24	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 01:24	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 01:24	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 01:24	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 01:24	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 01:24	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 01:24	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 01:24	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 01:24	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 01:24	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 01:24	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 01:24	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 01:24	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 01:24	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 01:24	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 01:24	
Acetone	5.60 U	50.0	5.60	1	05/27/12 01:24	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 01:24	
Benzene	0.210 U	1.00	0.210	1	05/27/12 01:24	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 01:24	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 01:24	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 01:24	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 01:24	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 01:24	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 01:24	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 01:24	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 01:24	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 01:24	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 01:24	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 01:24	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 01:24	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 01:24	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 01:24	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 01:24	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 01:24	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 01:24	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 01:24	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 01:24	
Styrene	0.290 U	1.00	0.290	1	05/27/12 01:24	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 01:24	
Toluene	0.190 U	1.00	0.190	1	05/27/12 01:24	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 01:24	

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: J1202333
Date Collected: 05/16/12 00:00
Date Received: 05/17/12 09:20

Sample Name: Trip Blank-1
Lab Code: J1202333-007

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	05/27/12 01:24	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 01:24	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 01:24	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 01:24	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 01:24	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 01:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/27/12 01:24	
4-Bromofluorobenzene	111	86 - 113	05/27/12 01:24	
Dibromofluoromethane	92	86 - 112	05/27/12 01:24	
Toluene-d8	114	88 - 115	05/27/12 01:24	

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: J1202333
Date Collected: 05/16/12 14:45
Date Received: 05/17/12 09:20

Sample Name: MW-1A
Lab Code: J1202333-008

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	05/27/12 04:53	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 04:53	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 04:53	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 04:53	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 04:53	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 04:53	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 04:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 04:53	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 04:53	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 04:53	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 04:53	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 04:53	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 04:53	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 04:53	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 04:53	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 04:53	
Acetone	5.60 U	50.0	5.60	1	05/27/12 04:53	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 04:53	
Benzene	3.35	1.00	0.210	1	05/27/12 04:53	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 04:53	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 04:53	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 04:53	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 04:53	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 04:53	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 04:53	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 04:53	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 04:53	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 04:53	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 04:53	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 04:53	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 04:53	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 04:53	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 04:53	
Ethylbenzene	2.13	1.00	0.210	1	05/27/12 04:53	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 04:53	
m,p-Xylenes	1.72 I	2.00	0.310	1	05/27/12 04:53	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 04:53	
o-Xylene	0.640 I	1.00	0.140	1	05/27/12 04:53	
Styrene	0.290 U	1.00	0.290	1	05/27/12 04:53	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 04:53	
Toluene	0.520 I	1.00	0.190	1	05/27/12 04:53	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 04:53	

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: J1202333
Date Collected: 05/16/12 14:45
Date Received: 05/17/12 09:20

Sample Name: MW-1A
Lab Code: J1202333-008

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	05/27/12 04:53	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 04:53	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 04:53	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 04:53	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 04:53	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 04:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/27/12 04:53	
4-Bromofluorobenzene	103	86 - 113	05/27/12 04:53	
Dibromofluoromethane	91	86 - 112	05/27/12 04:53	
Toluene-d8	111	88 - 115	05/27/12 04:53	

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: J1202333
Date Collected: 05/16/12 14:45
Date Received: 05/17/12 09:20

Sample Name: MW-1A
Lab Code: J1202333-008

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 20:04	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/25/12 20:04	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	90	70 - 130	05/25/12 20:04	

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-1A
Lab Code: J1202333-008

Service Request: J1202333
Date Collected: 05/16/12 14:45
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	1.3	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	21.6	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	1.9	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.5 I	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	2020	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	12.4	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.7 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-1A
Lab Code: J1202333-008

Service Request: J1202333
Date Collected: 05/16/12 14:45
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	4.44	mg/L	0.010	0.007	1	05/21/12 12:06	
Chloride	300.0	30.6	mg/L	0.50	0.11	1	05/17/12 18:03	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 18:03	
Solids, Total Dissolved	SM 2540 C	88	mg/L	10	10	1	05/22/12 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: J1202333
Date Collected: 05/16/12 14:15
Date Received: 05/17/12 09:20

Sample Name: MW-1B
Lab Code: J1202333-009

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	05/27/12 05:22	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 05:22	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 05:22	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 05:22	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 05:22	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 05:22	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 05:22	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 05:22	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 05:22	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 05:22	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 05:22	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 05:22	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 05:22	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 05:22	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 05:22	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 05:22	
Acetone	5.60 U	50.0	5.60	1	05/27/12 05:22	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 05:22	
Benzene	0.210 U	1.00	0.210	1	05/27/12 05:22	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 05:22	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 05:22	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 05:22	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 05:22	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 05:22	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 05:22	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 05:22	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 05:22	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 05:22	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 05:22	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 05:22	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 05:22	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 05:22	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 05:22	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 05:22	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 05:22	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 05:22	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 05:22	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 05:22	
Styrene	0.290 U	1.00	0.290	1	05/27/12 05:22	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 05:22	
Toluene	0.190 U	1.00	0.190	1	05/27/12 05:22	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 05:22	

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: J1202333
Date Collected: 05/16/12 14:15
Date Received: 05/17/12 09:20

Sample Name: MW-1B
Lab Code: J1202333-009

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	05/27/12 05:22	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 05:22	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 05:22	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 05:22	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 05:22	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 05:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/27/12 05:22	
4-Bromofluorobenzene	100	86 - 113	05/27/12 05:22	
Dibromofluoromethane	92	86 - 112	05/27/12 05:22	
Toluene-d8	109	88 - 115	05/27/12 05:22	

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: J1202333
Date Collected: 05/16/12 14:15
Date Received: 05/17/12 09:20

Sample Name: MW-1B
Lab Code: J1202333-009

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)	0.00703 U	0.0201	0.00703	1	05/25/12 20:24	5/25/12	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/25/12 20:24	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	119	70 - 130	05/25/12 20:24	

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: J1202333
Date Collected: 05/16/12 14:15
Date Received: 05/17/12 09:20

Sample Name: MW-1B
Lab Code: J1202333-009

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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	5.5	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.8 I	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.04 I	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	90 I	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	9.40	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.8 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-1B
Lab Code: J1202333-009

Service Request: J1202333
Date Collected: 05/16/12 14:15
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.306	mg/L	0.010	0.007	1	05/21/12 12:07	
Chloride	300.0	15.6	mg/L	0.50	0.11	1	05/17/12 18:17	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 18:17	
Solids, Total Dissolved	SM 2540 C	111	mg/L	10	10	1	05/22/12 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: J1202333
Date Collected: 05/16/12 12:05
Date Received: 05/17/12 09:20

Sample Name: MW-7A
Lab Code: J1202333-010

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	05/27/12 05:52	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 05:52	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 05:52	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 05:52	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 05:52	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 05:52	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 05:52	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 05:52	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 05:52	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 05:52	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 05:52	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 05:52	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 05:52	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 05:52	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 05:52	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 05:52	
Acetone	5.60 U	50.0	5.60	1	05/27/12 05:52	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 05:52	
Benzene	0.210 U	1.00	0.210	1	05/27/12 05:52	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 05:52	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 05:52	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 05:52	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 05:52	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 05:52	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 05:52	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 05:52	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 05:52	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 05:52	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 05:52	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 05:52	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 05:52	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 05:52	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 05:52	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 05:52	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 05:52	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 05:52	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 05:52	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 05:52	
Styrene	0.290 U	1.00	0.290	1	05/27/12 05:52	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 05:52	
Toluene	0.190 U	1.00	0.190	1	05/27/12 05:52	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 05:52	

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: J1202333
Date Collected: 05/16/12 12:05
Date Received: 05/17/12 09:20

Sample Name: MW-7A
Lab Code: J1202333-010

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	05/27/12 05:52	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 05:52	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 05:52	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 05:52	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 05:52	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 05:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/27/12 05:52	
4-Bromofluorobenzene	105	86 - 113	05/27/12 05:52	
Dibromofluoromethane	91	86 - 112	05/27/12 05:52	
Toluene-d8	112	88 - 115	05/27/12 05:52	

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: J1202333
Date Collected: 05/16/12 12:05
Date Received: 05/17/12 09:20

Sample Name: MW-7A
Lab Code: J1202333-010

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 20:44	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/25/12 20:44	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	95	70 - 130	05/25/12 20:44	

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-7A
Lab Code: J1202333-010

Service Request: J1202333
Date Collected: 05/16/12 12:05
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.8 I	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	18.3	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	1.0	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	1.4	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	13100	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	20.2	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	2.1	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-7A
Lab Code: J1202333-010

Service Request: J1202333
Date Collected: 05/16/12 12:05
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	3.63	mg/L	0.010	0.007	1	05/21/12 12:12	
Chloride	300.0	30.1	mg/L	0.50	0.11	1	05/17/12 18:32	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 18:32	
Solids, Total Dissolved	SM 2540 C	179	mg/L	10	10	1	05/22/12 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: J1202333
Date Collected: 05/16/12 11:40
Date Received: 05/17/12 09:20

Sample Name: MW-7B
Lab Code: J1202333-011

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	05/27/12 06:22	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/27/12 06:22	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/27/12 06:22	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/27/12 06:22	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/27/12 06:22	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/27/12 06:22	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/27/12 06:22	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/27/12 06:22	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/27/12 06:22	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/27/12 06:22	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/27/12 06:22	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/27/12 06:22	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/27/12 06:22	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/27/12 06:22	
2-Hexanone	2.20 U	25.0	2.20	1	05/27/12 06:22	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/27/12 06:22	
Acetone	5.60 U	50.0	5.60	1	05/27/12 06:22	
Acrylonitrile	1.50 U	10.0	1.50	1	05/27/12 06:22	
Benzene	0.210 U	1.00	0.210	1	05/27/12 06:22	
Bromochloromethane	0.270 U	5.00	0.270	1	05/27/12 06:22	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/27/12 06:22	
Bromoform	0.420 U	2.00	0.420	1	05/27/12 06:22	*
Bromomethane	0.230 U	5.00	0.230	1	05/27/12 06:22	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/27/12 06:22	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/27/12 06:22	
Chlorobenzene	0.160 U	1.00	0.160	1	05/27/12 06:22	
Chloroethane	0.520 U	5.00	0.520	1	05/27/12 06:22	
Chloroform	0.350 U	1.00	0.350	1	05/27/12 06:22	
Chloromethane	0.360 U	1.00	0.360	1	05/27/12 06:22	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/27/12 06:22	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/27/12 06:22	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/27/12 06:22	
Dibromomethane	0.360 U	5.00	0.360	1	05/27/12 06:22	
Ethylbenzene	0.210 U	1.00	0.210	1	05/27/12 06:22	
Iodomethane	2.70 U	5.00	2.70	1	05/27/12 06:22	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/27/12 06:22	
Methylene Chloride	0.210 U	5.00	0.210	1	05/27/12 06:22	
o-Xylene	0.140 U	1.00	0.140	1	05/27/12 06:22	
Styrene	0.290 U	1.00	0.290	1	05/27/12 06:22	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/27/12 06:22	
Toluene	0.190 U	1.00	0.190	1	05/27/12 06:22	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/27/12 06:22	

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: J1202333
Date Collected: 05/16/12 11:40
Date Received: 05/17/12 09:20

Sample Name: MW-7B
Lab Code: J1202333-011

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	05/27/12 06:22	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/27/12 06:22	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/27/12 06:22	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/27/12 06:22	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/27/12 06:22	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/27/12 06:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/27/12 06:22	
4-Bromofluorobenzene	102	86 - 113	05/27/12 06:22	
Dibromofluoromethane	90	86 - 112	05/27/12 06:22	
Toluene-d8	111	88 - 115	05/27/12 06:22	

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: J1202333
Date Collected: 05/16/12 11:40
Date Received: 05/17/12 09:20

Sample Name: MW-7B
Lab Code: J1202333-011

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 21:04	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/25/12 21:04	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	99	70 - 130	05/25/12 21:04	

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-7B
Lab Code: J1202333-011

Service Request: J1202333
Date Collected: 05/16/12 11:40
Date Received: 05/17/12 09:20
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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.7 I	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	136	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.14 I	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.5 I	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	1.1	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	6030	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.8 I	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	20.6	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.4 I	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-7B
Lab Code: J1202333-011

Service Request: J1202333
Date Collected: 05/16/12 11:40
Date Received: 05/17/12 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.254	mg/L	0.010	0.007	1	05/21/12 12:13	
Chloride	300.0	83.7	mg/L	0.50	0.11	1	05/17/12 18:47	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 18:47	
Solids, Total Dissolved	SM 2540 C	184	mg/L	10	10	1	05/22/12 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: J1202333
Date Collected: 05/16/12 15:55
Date Received: 05/17/12 09:20

Sample Name: MW-2B
Lab Code: J1202333-012

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	05/29/12 13:25	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/29/12 13:25	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/29/12 13:25	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/29/12 13:25	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/29/12 13:25	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/29/12 13:25	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/29/12 13:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/29/12 13:25	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/29/12 13:25	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/29/12 13:25	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/29/12 13:25	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/29/12 13:25	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/29/12 13:25	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/29/12 13:25	
2-Hexanone	2.20 U	25.0	2.20	1	05/29/12 13:25	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/29/12 13:25	
Acetone	5.60 U	50.0	5.60	1	05/29/12 13:25	
Acrylonitrile	1.50 U	10.0	1.50	1	05/29/12 13:25	
Benzene	0.210 U	1.00	0.210	1	05/29/12 13:25	
Bromochloromethane	0.270 U	5.00	0.270	1	05/29/12 13:25	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/29/12 13:25	
Bromoform	0.420 U	2.00	0.420	1	05/29/12 13:25	*
Bromomethane	0.230 U	5.00	0.230	1	05/29/12 13:25	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/29/12 13:25	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/29/12 13:25	
Chlorobenzene	0.160 U	1.00	0.160	1	05/29/12 13:25	
Chloroethane	0.520 U	5.00	0.520	1	05/29/12 13:25	
Chloroform	0.350 U	1.00	0.350	1	05/29/12 13:25	
Chloromethane	0.360 U	1.00	0.360	1	05/29/12 13:25	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/29/12 13:25	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/29/12 13:25	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/29/12 13:25	
Dibromomethane	0.360 U	5.00	0.360	1	05/29/12 13:25	
Ethylbenzene	0.210 U	1.00	0.210	1	05/29/12 13:25	
Iodomethane	2.70 U	5.00	2.70	1	05/29/12 13:25	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/29/12 13:25	
Methylene Chloride	0.210 U	5.00	0.210	1	05/29/12 13:25	
o-Xylene	0.140 U	1.00	0.140	1	05/29/12 13:25	
Styrene	0.290 U	1.00	0.290	1	05/29/12 13:25	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/29/12 13:25	
Toluene	0.190 U	1.00	0.190	1	05/29/12 13:25	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/29/12 13:25	

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: J1202333
Date Collected: 05/16/12 15:55
Date Received: 05/17/12 09:20

Sample Name: MW-2B
Lab Code: J1202333-012

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	05/29/12 13:25	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/29/12 13:25	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/29/12 13:25	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/29/12 13:25	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/29/12 13:25	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/29/12 13:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	72 - 121	05/29/12 13:25	
4-Bromofluorobenzene	107	86 - 113	05/29/12 13:25	
Dibromofluoromethane	93	86 - 112	05/29/12 13:25	
Toluene-d8	111	88 - 115	05/29/12 13:25	

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: J1202333
Date Collected: 05/16/12 15:55
Date Received: 05/17/12 09:20

Sample Name: MW-2B
Lab Code: J1202333-012

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	0.0197	0.00700	1	05/25/12 21:44	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0197	0.00700	1	05/25/12 21:44	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	102	70 - 130	05/25/12 21:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

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

Service Request: J1202333
Date Collected: 05/16/12 15:55
Date Received: 05/17/12 09:20

Sample Name: MW-2B
Lab Code: J1202333-012

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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	6.8	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.6 I	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	490	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.23 I	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	5.04	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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-2B
Lab Code: J1202333-012

Service Request: J1202333
Date Collected: 05/16/12 15:55
Date Received: 05/17/12 09:20
Basis: NA

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	0.007	1	05/21/12 12:14	
Chloride	300.0	7.04	mg/L	0.50	0.11	1	05/17/12 19:32	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 19:32	
Solids, Total Dissolved	SM 2540 C	35	mg/L	10	10	1	05/22/12 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: J1202333
Date Collected: 05/16/12 00:00
Date Received: 05/17/12 09:20

Sample Name: Trip Blank-2
Lab Code: J1202333-013

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	05/29/12 12:55	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/29/12 12:55	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/29/12 12:55	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/29/12 12:55	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/29/12 12:55	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/29/12 12:55	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/29/12 12:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/29/12 12:55	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/29/12 12:55	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/29/12 12:55	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/29/12 12:55	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/29/12 12:55	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/29/12 12:55	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/29/12 12:55	
2-Hexanone	2.20 U	25.0	2.20	1	05/29/12 12:55	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/29/12 12:55	
Acetone	5.60 U	50.0	5.60	1	05/29/12 12:55	
Acrylonitrile	1.50 U	10.0	1.50	1	05/29/12 12:55	
Benzene	0.210 U	1.00	0.210	1	05/29/12 12:55	
Bromochloromethane	0.270 U	5.00	0.270	1	05/29/12 12:55	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/29/12 12:55	
Bromoform	0.420 U	2.00	0.420	1	05/29/12 12:55	*
Bromomethane	0.230 U	5.00	0.230	1	05/29/12 12:55	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/29/12 12:55	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/29/12 12:55	
Chlorobenzene	0.160 U	1.00	0.160	1	05/29/12 12:55	
Chloroethane	0.520 U	5.00	0.520	1	05/29/12 12:55	
Chloroform	0.350 U	1.00	0.350	1	05/29/12 12:55	
Chloromethane	0.360 U	1.00	0.360	1	05/29/12 12:55	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/29/12 12:55	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/29/12 12:55	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/29/12 12:55	
Dibromomethane	0.360 U	5.00	0.360	1	05/29/12 12:55	
Ethylbenzene	0.210 U	1.00	0.210	1	05/29/12 12:55	
Iodomethane	2.70 U	5.00	2.70	1	05/29/12 12:55	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/29/12 12:55	
Methylene Chloride	0.210 U	5.00	0.210	1	05/29/12 12:55	
o-Xylene	0.140 U	1.00	0.140	1	05/29/12 12:55	
Styrene	0.290 U	1.00	0.290	1	05/29/12 12:55	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/29/12 12:55	
Toluene	0.190 U	1.00	0.190	1	05/29/12 12:55	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/29/12 12:55	

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: J1202333
Date Collected: 05/16/12 00:00
Date Received: 05/17/12 09:20

Sample Name: Trip Blank-2
Lab Code: J1202333-013

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	05/29/12 12:55	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/29/12 12:55	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/29/12 12:55	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/29/12 12:55	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/29/12 12:55	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/29/12 12:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	72 - 121	05/29/12 12:55	
4-Bromofluorobenzene	104	86 - 113	05/29/12 12:55	
Dibromofluoromethane	93	86 - 112	05/29/12 12:55	
Toluene-d8	114	88 - 115	05/29/12 12:55	

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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203314-04

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	05/26/12 21:23	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/26/12 21:23	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/26/12 21:23	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/26/12 21:23	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/26/12 21:23	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/26/12 21:23	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/26/12 21:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/26/12 21:23	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/26/12 21:23	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/26/12 21:23	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/26/12 21:23	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/26/12 21:23	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/26/12 21:23	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/26/12 21:23	
2-Hexanone	2.20 U	25.0	2.20	1	05/26/12 21:23	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/26/12 21:23	
Acetone	5.60 U	50.0	5.60	1	05/26/12 21:23	
Acrylonitrile	1.50 U	10.0	1.50	1	05/26/12 21:23	
Benzene	0.210 U	1.00	0.210	1	05/26/12 21:23	
Bromochloromethane	0.270 U	5.00	0.270	1	05/26/12 21:23	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/26/12 21:23	
Bromoform	0.420 U	2.00	0.420	1	05/26/12 21:23	
Bromomethane	0.230 U	5.00	0.230	1	05/26/12 21:23	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/26/12 21:23	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/26/12 21:23	
Chlorobenzene	0.160 U	1.00	0.160	1	05/26/12 21:23	
Chloroethane	0.520 U	5.00	0.520	1	05/26/12 21:23	
Chloroform	0.350 U	1.00	0.350	1	05/26/12 21:23	
Chloromethane	0.360 U	1.00	0.360	1	05/26/12 21:23	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/26/12 21:23	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/26/12 21:23	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/26/12 21:23	
Dibromomethane	0.360 U	5.00	0.360	1	05/26/12 21:23	
Ethylbenzene	0.210 U	1.00	0.210	1	05/26/12 21:23	
Iodomethane	2.70 U	5.00	2.70	1	05/26/12 21:23	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/26/12 21:23	
Methylene Chloride	0.210 U	5.00	0.210	1	05/26/12 21:23	
o-Xylene	0.140 U	1.00	0.140	1	05/26/12 21:23	
Styrene	0.290 U	1.00	0.290	1	05/26/12 21:23	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/26/12 21:23	
Toluene	0.190 U	1.00	0.190	1	05/26/12 21:23	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/26/12 21:23	

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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203314-04

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	05/26/12 21:23	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/26/12 21:23	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/26/12 21:23	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/26/12 21:23	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/26/12 21:23	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/26/12 21:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	72 - 121	05/26/12 21:23	
4-Bromofluorobenzene	107	86 - 113	05/26/12 21:23	
Dibromofluoromethane	87	86 - 112	05/26/12 21:23	
Toluene-d8	113	88 - 115	05/26/12 21:23	

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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203342-02

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	05/29/12 12:25	
1,1,1-Trichloroethane (TCA)	0.170 U	1.00	0.170	1	05/29/12 12:25	
1,1,2,2-Tetrachloroethane	0.290 U	1.00	0.290	1	05/29/12 12:25	
1,1,2-Trichloroethane	0.400 U	1.00	0.400	1	05/29/12 12:25	
1,1-Dichloroethane (1,1-DCA)	0.300 U	1.00	0.300	1	05/29/12 12:25	
1,1-Dichloroethene (1,1-DCE)	0.160 U	1.00	0.160	1	05/29/12 12:25	
1,2,3-Trichloropropane	0.420 U	2.00	0.420	1	05/29/12 12:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.30 U	5.00	2.30	1	05/29/12 12:25	
1,2-Dibromoethane (EDB)	0.460 U	1.00	0.460	1	05/29/12 12:25	
1,2-Dichlorobenzene	0.480 U	1.00	0.480	1	05/29/12 12:25	
1,2-Dichloroethane	0.220 U	1.00	0.220	1	05/29/12 12:25	
1,2-Dichloropropane	0.190 U	1.00	0.190	1	05/29/12 12:25	
1,4-Dichlorobenzene	0.160 U	1.00	0.160	1	05/29/12 12:25	
2-Butanone (MEK)	3.80 U	10.0	3.80	1	05/29/12 12:25	
2-Hexanone	2.20 U	25.0	2.20	1	05/29/12 12:25	
4-Methyl-2-pentanone (MIBK)	1.10 U	25.0	1.10	1	05/29/12 12:25	
Acetone	5.60 U	50.0	5.60	1	05/29/12 12:25	
Acrylonitrile	1.50 U	10.0	1.50	1	05/29/12 12:25	
Benzene	0.210 U	1.00	0.210	1	05/29/12 12:25	
Bromochloromethane	0.270 U	5.00	0.270	1	05/29/12 12:25	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/29/12 12:25	
Bromoform	0.420 U	2.00	0.420	1	05/29/12 12:25	
Bromomethane	0.230 U	5.00	0.230	1	05/29/12 12:25	
Carbon Disulfide	2.40 U	10.0	2.40	1	05/29/12 12:25	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/29/12 12:25	
Chlorobenzene	0.160 U	1.00	0.160	1	05/29/12 12:25	
Chloroethane	0.520 U	5.00	0.520	1	05/29/12 12:25	
Chloroform	0.350 U	1.00	0.350	1	05/29/12 12:25	
Chloromethane	0.360 U	1.00	0.360	1	05/29/12 12:25	
cis-1,2-Dichloroethene	0.360 U	1.00	0.360	1	05/29/12 12:25	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/29/12 12:25	
Dibromochloromethane	0.210 U	1.00	0.210	1	05/29/12 12:25	
Dibromomethane	0.360 U	5.00	0.360	1	05/29/12 12:25	
Ethylbenzene	0.210 U	1.00	0.210	1	05/29/12 12:25	
Iodomethane	2.70 U	5.00	2.70	1	05/29/12 12:25	
m,p-Xylenes	0.310 U	2.00	0.310	1	05/29/12 12:25	
Methylene Chloride	0.210 U	5.00	0.210	1	05/29/12 12:25	
o-Xylene	0.140 U	1.00	0.140	1	05/29/12 12:25	
Styrene	0.290 U	1.00	0.290	1	05/29/12 12:25	
Tetrachloroethene (PCE)	0.220 U	1.00	0.220	1	05/29/12 12:25	
Toluene	0.190 U	1.00	0.190	1	05/29/12 12:25	
trans-1,2-Dichloroethene	0.190 U	1.00	0.190	1	05/29/12 12:25	

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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203342-02

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	05/29/12 12:25	
trans-1,4-Dichloro-2-butene	2.20 U	20.0	2.20	1	05/29/12 12:25	
Trichloroethene (TCE)	0.360 U	1.00	0.360	1	05/29/12 12:25	
Trichlorofluoromethane	0.240 U	20.0	0.240	1	05/29/12 12:25	
Vinyl Acetate	1.90 U	10.0	1.90	1	05/29/12 12:25	
Vinyl Chloride	0.360 U	1.00	0.360	1	05/29/12 12:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	72 - 121	05/29/12 12:25	
4-Bromofluorobenzene	105	86 - 113	05/29/12 12:25	
Dibromofluoromethane	91	86 - 112	05/29/12 12:25	
Toluene-d8	114	88 - 115	05/29/12 12:25	

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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1203265-01

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	05/26/12 00:04	5/25/12	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/26/12 00:04	5/25/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	161	70 - 130	05/26/12 00:04	

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: J1202333
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: J1202333
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: J1202333-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	05/21/12	5/17/12	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/21/12	5/17/12	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/21/12	5/17/12	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/21/12	5/17/12	
Chromium, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/21/12	5/17/12	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	05/21/12	5/17/12	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/21/12	5/17/12	
Iron, Total Recoverable	6010B	3 I	ug/L	100	3	1	05/18/12	5/17/12	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/21/12	5/17/12	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/18/12	5/17/12	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/21/12	5/17/12	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/21/12	5/17/12	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/21/12	5/17/12	
Sodium, Total Recoverable	6010B	0.03 U	mg/L	0.50	0.03	1	05/18/12	5/17/12	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/21/12	5/17/12	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	05/21/12	5/17/12	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/21/12	5/17/12	

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: J1202333-MB1

Service Request: J1202333
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 11:37	
Chloride	300.0	0.11 U	mg/L	0.50	0.11	1	05/17/12 15:03	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	05/17/12 15:03	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	05/18/12 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: J1202333-MB2

Service Request: J1202333
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	05/22/12 13:10	

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: J1202333

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-9A	J1202333-001	96	106	90
MW-9B	J1202333-002	91	103	90
MW-8A	J1202333-003	96	105	90
MW-8B	J1202333-004	94	103	91
MW-6B	J1202333-005	93	103	92
Equipment Blank-2	J1202333-006	87	106	88
Trip Blank-1	J1202333-007	93	111	92
MW-1A	J1202333-008	93	103	91
MW-1B	J1202333-009	93	100	92
MW-7A	J1202333-010	91	105	91
MW-7B	J1202333-011	93	102	90
MW-2B	J1202333-012	94	107	93
Trip Blank-2	J1202333-013	94	104	93
Lab Control Sample	JQ1203314-03	89	103	89
Method Blank	JQ1203314-04	92	107	87
Lab Control Sample	JQ1203342-01	99	99	96
Method Blank	JQ1203342-02	92	105	91

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Waste Services of Florida, Inc.**Service Request:** J1202333**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-9A	J1202333-001	112
MW-9B	J1202333-002	110
MW-8A	J1202333-003	106
MW-8B	J1202333-004	112
MW-6B	J1202333-005	107
Equipment Blank-2	J1202333-006	113
Trip Blank-1	J1202333-007	114
MW-1A	J1202333-008	111
MW-1B	J1202333-009	109
MW-7A	J1202333-010	112
MW-7B	J1202333-011	111
MW-2B	J1202333-012	111
Trip Blank-2	J1202333-013	114
Lab Control Sample	JQ1203314-03	112
Method Blank	JQ1203314-04	113
Lab Control Sample	JQ1203342-01	110
Method Blank	JQ1203342-02	114

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: J1202333
Date Analyzed: 05/26/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L

Basis: NA

Analysis Lot: 293512

Lab Control Sample
JQ1203314-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	21.9	20.0	109	77-118
1,1,1-Trichloroethane (TCA)	17.3	20.0	86	70-122
1,1,2,2-Tetrachloroethane	21.5	20.0	107	66-135
1,1,2-Trichloroethane	20.6	20.0	103	75-122
1,1-Dichloroethane (1,1-DCA)	16.7	20.0	83	79-117
1,1-Dichloroethene (1,1-DCE)	18.2	20.0	91	72-128
1,2,3-Trichloropropane	20.5	20.0	103	70-123
1,2-Dibromo-3-chloropropane (DBCP)	21.1	20.0	106	60-122
1,2-Dibromoethane (EDB)	20.9	20.0	105	76-118
1,2-Dichlorobenzene	20.7	20.0	104	81-115
1,2-Dichloroethane	15.7	20.0	78	70-117
1,2-Dichloropropane	16.7	20.0	83	79-117
1,4-Dichlorobenzene	20.6	20.0	103	82-115
2-Butanone (MEK)	84.0	100	84	62-138
2-Hexanone	107	100	107	74-127
4-Methyl-2-pentanone (MIBK)	105	100	105	77-120
Acetone	85.1	100	85	42-161
Acrylonitrile	80.7	100	81	63-132
Benzene	16.2	20.0	81	80-117
Bromochloromethane	16.5	20.0	82	78-118
Bromodichloromethane	16.7	20.0	83	75-118
Bromoform	26.3	20.0	132 *	63-121
Bromomethane	18.0	20.0	90	31-153
Carbon Disulfide	99.9	100	100	72-128
Carbon Tetrachloride	17.6	20.0	88	67-124
Chlorobenzene	21.1	20.0	106	83-118
Chloroethane	17.4	20.0	87	68-132
Chloroform	16.4	20.0	82	77-116
Chloromethane	16.1	20.0	81	60-128
cis-1,2-Dichloroethene	16.4	20.0	82	78-117
cis-1,3-Dichloropropene	21.0	20.0	105	80-119
Dibromochloromethane	22.1	20.0	111	74-121
Dibromomethane	16.8	20.0	84	76-117
Ethylbenzene	22.6	20.0	113	82-119
Iodomethane	96.3	100	96	51-137
m,p-Xylenes	42.4	40.0	106	79-122
Methylene Chloride	17.2	20.0	86	75-123
o-Xylene	21.4	20.0	107	80-119
Styrene	22.0	20.0	110	80-121
Tetrachloroethene (PCE)	22.8	20.0	114	75-126
Toluene	22.5	20.0	113	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: J1202333
Date Analyzed: 05/26/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 293512

Lab Control Sample
JQ1203314-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	16.9	20.0	84	75-121
trans-1,3-Dichloropropene	20.5	20.0	102	76-118
trans-1,4-Dichloro-2-butene	20.7	20.0	104	10-198
Trichloroethene (TCE)	17.4	20.0	87	78-122
Trichlorofluoromethane	17.6	20.0	88	58-134
Vinyl Acetate	68.6	100	69	36-169
Vinyl Chloride	17.4	20.0	87	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: J1202333
Date Analyzed: 05/29/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L

Basis: NA

Analysis Lot: 293646

Lab Control Sample
JQ1203342-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	22.7	20.0	113	77-118
1,1,1-Trichloroethane (TCA)	19.5	20.0	97	70-122
1,1,2,2-Tetrachloroethane	21.7	20.0	109	66-135
1,1,2-Trichloroethane	20.8	20.0	104	75-122
1,1-Dichloroethane (1,1-DCA)	17.1	20.0	85	79-117
1,1-Dichloroethene (1,1-DCE)	18.4	20.0	92	72-128
1,2,3-Trichloropropane	19.8	20.0	99	70-123
1,2-Dibromo-3-chloropropane (DBCP)	22.1	20.0	111	60-122
1,2-Dibromoethane (EDB)	21.6	20.0	108	76-118
1,2-Dichlorobenzene	20.6	20.0	103	81-115
1,2-Dichloroethane	17.9	20.0	89	70-117
1,2-Dichloropropane	16.7	20.0	84	79-117
1,4-Dichlorobenzene	21.3	20.0	107	82-115
2-Butanone (MEK)	87.9	100	88	62-138
2-Hexanone	110	100	110	74-127
4-Methyl-2-pentanone (MIBK)	107	100	107	77-120
Acetone	83.5	100	83	42-161
Acrylonitrile	87.2	100	87	63-132
Benzene	16.9	20.0	84	80-117
Bromochloromethane	18.6	20.0	93	78-118
Bromodichloromethane	18.5	20.0	93	75-118
Bromoform	28.8	20.0	144 *	63-121
Bromomethane	18.8	20.0	94	31-153
Carbon Disulfide	100	100	100	72-128
Carbon Tetrachloride	19.4	20.0	97	67-124
Chlorobenzene	22.3	20.0	111	83-118
Chloroethane	16.5	20.0	83	68-132
Chloroform	17.6	20.0	88	77-116
Chloromethane	16.0	20.0	80	60-128
cis-1,2-Dichloroethene	16.9	20.0	84	78-117
cis-1,3-Dichloropropene	21.5	20.0	108	80-119
Dibromochloromethane	23.1	20.0	115	74-121
Dibromomethane	17.9	20.0	90	76-117
Ethylbenzene	22.1	20.0	110	82-119
Iodomethane	101	100	101	51-137
m,p-Xylenes	42.5	40.0	106	79-122
Methylene Chloride	16.9	20.0	85	75-123
o-Xylene	21.3	20.0	107	80-119
Styrene	22.3	20.0	112	80-121
Tetrachloroethene (PCE)	23.6	20.0	118	75-126
Toluene	22.2	20.0	111	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: J1202333
Date Analyzed: 05/29/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 293646

Lab Control Sample
JQ1203342-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	16.9	20.0	85	75-121
trans-1,3-Dichloropropene	21.9	20.0	109	76-118
trans-1,4-Dichloro-2-butene	22.3	20.0	112	10-198
Trichloroethene (TCE)	18.5	20.0	92	78-122
Trichlorofluoromethane	19.4	20.0	97	58-134
Vinyl Acetate	85.0	100	85	36-169
Vinyl Chloride	17.0	20.0	85	69-138

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Waste Services of Florida, Inc.**Service Request:** J1202333**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-9A	J1202333-001	92
MW-9B	J1202333-002	102
MW-8A	J1202333-003	79
MW-8B	J1202333-004	76
MW-6B	J1202333-005	75
Equipment Blank-2	J1202333-006	105
MW-1A	J1202333-008	90
MW-1B	J1202333-009	119
MW-7A	J1202333-010	95
MW-7B	J1202333-011	99
MW-2B	J1202333-012	102
Method Blank	JQ1203265-01	161
Lab Control Sample	JQ1203265-02	101
Method Blank	JQ1203266-01	88
Lab Control Sample	JQ1203266-02	99
MW-6B	JQ1203266-03	69
MW-6B	JQ1203266-04	76

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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 05/25/12
Date Extracted: 05/25/12

Duplicate Matrix Spike Summary**1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography**

Sample Name: MW-6B
Lab Code: J1202333-005
Analysis Method: 8011
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike JQ1203266-03				Duplicate Matrix Spike JQ1203266-04					
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.220	0.251	88	0.234	0.249	94	65-135	6	30
1,2-Dibromoethane (EDB)	ND	0.204	0.251	81	0.210	0.249	85	65-135	3	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.

Now part of the ALS Group

QA/QC Report

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

Service Request: J1202333
Date Analyzed: 05/26/12
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
JQ1203265-02**

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.249	0.250	100	70-130
1,2-Dibromoethane (EDB)	0.225	0.250	90	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: J1202333
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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 5/21/12

**Duplicate Matrix Spike Summary
Inorganic Parameters**

Sample Name: MW-9A
Lab Code: J1202333-001

Units: ug/L
Basis: NA

Matrix Spike
J1202333-001MS

Duplicate Matrix Spike
J1202333-001DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Antimony, Total Recoverable	6020	0.2	50.7	50.0	101	50.4	50.0	101	75-125	<1	20
Arsenic, Total Recoverable	6020	1.7	51.1	50.0	99	50.8	50.0	98	75-125	<1	20
Barium, Total Recoverable	6020	15.2	66.3	50.0	102	66.2	50.0	102	75-125	<1	20
Beryllium, Total Recoverable	6020	0.04	49.3	50.0	99	48.0	50.0	96	75-125	3	20
Cadmium, Total Recoverable	6020	0.10	48.7	50.0	97	49.2	50.0	98	75-125	1	20
Chromium, Total Recoverable	6020	2.0	50.9	50.0	98	50.1	50.0	96	75-125	1	20
Cobalt, Total Recoverable	6020	1.1	51.4	50.0	101	51.2	50.0	100	75-125	<1	20
Copper, Total Recoverable	6020	0.4	49.6	50.0	98	49.1	50.0	97	75-125	<1	20
Lead, Total Recoverable	6020	0.12	49.0	50.0	98	48.2	50.0	96	75-125	2	20
Nickel, Total Recoverable	6020	1.8	52.6	50.0	102	51.8	50.0	100	75-125	2	20
Selenium, Total Recoverable	6020	1.1	16.5	50.0	33 *	15.8	50.0	32 *	75-125	4	20
Silver, Total Recoverable	6020	0.06	48.9	50.0	98	48.4	50.0	97	75-125	<1	20
Thallium, Total Recoverable	6020	0.05	48.6	50.0	97	49.0	50.0	98	75-125	<1	20
Vanadium, Total Recoverable	6020	1.7	51.1	50.0	99	50.9	50.0	99	75-125	<1	20
Zinc, Total Recoverable	6020	1.6	97.1	100	97	97.8	100	98	75-125	<1	20

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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: J1202333
Date Analyzed: 05/18/12 - 05/21/12

Lab Control Sample Summary
Inorganic Parameters

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

Lab Control Sample
J1202333-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	50.7	50.0	101	80-120
Arsenic, Total Recoverable	6020	48.9	50.0	98	80-120
Barium, Total Recoverable	6020	49.8	50.0	100	80-120
Beryllium, Total Recoverable	6020	49.4	50.0	99	80-120
Cadmium, Total Recoverable	6020	49.6	50.0	99	80-120
Chromium, Total Recoverable	6020	49.5	50.0	99	80-120
Cobalt, Total Recoverable	6020	49.5	50.0	99	80-120
Copper, Total Recoverable	6020	50.6	50.0	101	80-120
Iron, Total Recoverable	6010B	4960	5000	99	80-120
Lead, Total Recoverable	6020	49.5	50.0	99	80-120
Mercury, Total	7470A	1.15	1.25	92	80-120
Nickel, Total Recoverable	6020	50.5	50.0	101	80-120
Selenium, Total Recoverable	6020	48.5	50.0	97	80-120
Silver, Total Recoverable	6020	50.0	50.0	100	80-120
Thallium, Total Recoverable	6020	48.9	50.0	98	80-120
Vanadium, Total Recoverable	6020	49.9	50.0	100	80-120
Zinc, Total Recoverable	6020	97.4	100	97	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: J1202333
Date Analyzed: 5/18/12

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1202333-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	25.0	25.0	100	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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 05/17/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-9A
Lab Code: J1202333-001

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1202333-001DUP1	Average	RPD	RPD Limit
					Result			
Chloride	300.0	0.50	0.11	24.8	24.5	24.7	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

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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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 05/17/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-7B
Lab Code: J1202333-011

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1202333-011DUP3	Average	RPD	RPD Limit
					Result			
Chloride	300.0	0.50	0.11	83.7	83.9	83.8	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

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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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 05/18/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-8A
Lab Code: J1202333-003

Units: mg/L
Basis: NA

					Duplicate Sample J1202333- 003DUP2			
Analyte Name	Analysis Method	MRL	MDL	Sample Result	Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	10	166	172	169	4	20

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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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 5/17/12

Matrix Spike Summary
Chloride

Sample Name: MW-9A
Lab Code: J1202333-001

Units: mg/L
Basis: NA

Matrix Spike
J1202333-001MS1

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	24.8	75.3	50.0	101	90-110
Nitrate as Nitrogen	300.0	0.03	4.88	5.00	98	90-110

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

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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: J1202333
Date Collected: 05/16/12
Date Received: 05/17/12
Date Analyzed: 5/17/12

Matrix Spike Summary
Chloride

Sample Name: MW-7B
Lab Code: J1202333-011

Units: mg/L
Basis: NA

Matrix Spike
J1202333-011MS2

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	83.7	130	50.0	92	90-110
Nitrate as Nitrogen	300.0	0.03	4.95	5.00	99	90-110

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

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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: J1202333
Date Analyzed: 05/17/12 - 05/21/12

Lab Control Sample Summary
General Chemistry Parameters

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

J1202333-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	52.4	50.0	105	90-110
Nitrate as Nitrogen	300.0	5.14	5.00	103	90-110
Solids, Total Dissolved	SM 2540 C	298	300	99	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: J1202333
Date Analyzed: 05/22/12

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units: mg/L

Basis: NA

Analysis Lot: 292679

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	J1202333-LCS2	294	300	98	85-115

Cooler Receipt Form

Client: WSI

Service Request #: 57202333

Project: JED SWDF

Cooler received on 5-17-12

and opened on 5-17-12 by SC

COURIER: ALS ☒ UPS ☐ FEDEX Client Other _____ Airbill # 12 XSW 0982210006736

- 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°C and < 6°C) 3.1 1.7 _____
- 5 Thermometer ID 771 171 _____
- 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
- 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:



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

SR # 51202333
CAS Contact

Project Name JED SWDF		Project Number 1202333		ANALYSIS REQUESTED (Include Method Number and C) 1 0 3 0 2		PRESERVATIVE 1 0 3 0 2		Waste Services of Florida, Inc. JED SWDF		J1202333 Waste Services of Florida, Inc. JED SWDF		5			
Project Manager Joe Terry		Email Address jterry@wsf.com		Company/Address WSF		11500 413th St. N. Clearwater, FL 33762		Phone # 813-943-8633		FAX#		HNO ₃ H ₂ SO ₄ NaOH Zn Acetate MeOH NaHSO ₄ Other			
Sampler's Signature Joe Terry		Sampler's Printed Name Joe Terry		LAB ID		SAMPLING DATE		MATRIX		NUMBER OF CONTAINERS		REMARKS/ ALTERNATE DESCRIPTION			
CLIENT SAMPLE ID MW-9A		5-16-12 0905		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
MW-9B		0835		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
MW-8A		1005		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
MW-8B		1035		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
MW-6B		1310		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
Equipment Blank-2		5-16-12 0930		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
Trip Blank		4-27-12 1000		GLW		9 3 3 1 1 1		9 3 3 1 1 1		9 3 3 1 1 1					
SPECIAL INSTRUCTIONS/COMMENTS Cooler ID: 12137-JED-2															
SAMPLE RECEIPT: CONDITION/COOLER TEMP: RECEIVED BY Joe Terry				CUSTODY SEAL: Y N RECEIVED BY Joe Terry				REPORT REQUIREMENTS I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries (LCS, DUP, MS/MSD as required) <input checked="" type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data <input type="checkbox"/> V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO# BILL TO:			
SIGNATURE Joe Terry				SIGNATURE Joe Terry				SIGNATURE				SIGNATURE			
PRINTED NAME Joe Terry				PRINTED NAME Joe Terry				PRINTED NAME				PRINTED NAME			
FIRM WSF				FIRM WSF				FIRM				FIRM			
DATE/TIME 5-16-12 1630				DATE/TIME 5-17-12 0920				DATE/TIME				DATE/TIME			

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

JSCOC-3/11



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR # 51202333
CAS Contact

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

PAGE 1 OF 1

www.caslab.com

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and PRESERVATIVE)										
Project Manager		Email Address												
Company/Address														
Joe Terry		jerry@caslab.com												
WSI														
11500 43rd St. N														
Clearwater, FL 33762														
Phone # 813-943-8633		FAX #												
Sampler's Signature Joe Terry		Sampler's Printed Name Joe Terry												
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS									
MW-1A		5-16-12	1445	GW	9	3	3	1	1	1				
MW-1B			1415											
MW-7A			1205											
MW-7B			1140											
MW-2B		5-16-12	1555	GW	9	3	3	1	1	1				
Trip Blank		4-26-12	0900	DT	2	2								
SPECIAL INSTRUCTIONS/COMMENTS														
Cooler ID: 12137-5ED-1														
See QAPP <input type="checkbox"/>														
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEALS: Y N					RECEIVED BY				
RELINQUISHED BY					RELINQUISHED BY					RECEIVED BY				
Signature Joe Terry					Signature [Signature]					Signature [Signature]				
Printed Name Joe Terry					Printed Name [Name]					Printed Name [Name]				
Firm WSI					Firm [Firm]					Firm [Firm]				
Date/Time 5-16-12/1630					Date/Time 5-17-12 0920					Date/Time [Date/Time]				
Distribution: White - Return to Originator; Yellow - Retained by Client														

SR # 51202333
CAS Contact

J1202333
Waste Services of Florida, Inc.
JED SWDF

1. HCL
2. HNO₃
3. H₂SO₄
4. NaOH
5. Zn Acetate
6. MeOH
7. NaHSO₄
8. Other _____

REMARKS/ALTERNATE DESCRIPTION

ANALYSIS REQUESTED (Include Method Number and PRESERVATIVE)

1 0 3 0 2

Method: TSS, pH, NO₃
NH₄
BOL
B260

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, MSMSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data
V. Specialized Forms / Custom Report
Edata Yes No

INVOICE INFORMATION
PO#
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