Columbia Analytical Services™ 9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 18, 2010 Service Request No: J1005251

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 2, 2010. For your reference, these analyses have been assigned our service request number **J1005251**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

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CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005251
Project:	JED SWDF	**Date Received:**	11/2/10
Sample Matrix:	Water		

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

Three water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/2/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Continuing Calibration Verification Exceptions

The primary evaluation criterion was exceeded for the following analyte in Continuing Calibration Verification (CCV) JWG1003956-2: Vinyl Acetate. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Lab Control Sample Exceptions

The spike recovery of Carbon Tetrachloride for Laboratory Control Sample (LCS) JQ1005444-03 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Metals by ICP-MS/ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6020/6010B/7470A. No problems were observed.

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. No problems were observed.

Approved by _____ **Date** 11/18/10

Subcontracted Analytical Parameters

The samples were delivered to Columbia Analytical Services, Inc. in Rochester, NY on 11/3/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Sample Notes and Discussion

For the EPA Method 8011 analysis, our Rochester lab was not able to meet the Florida GCTL for 1,2-Dibromoethane (EDB) of 0.02ug/L. The Method Detection Limit (MDL) reported for EDB is 0.03ug/L, which is 0.01ug/L above the GCTL. Based on historical data from this site, this analyte has never been detected in any of the samples at or below the Florida GCTL. It is our opinion that the impact on the data is minimal.

Approved by _____ **Date** 11/18/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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: Environmental Planning Specialists **Service Request:** J1005251
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005251-001	MW-16A	11/1/10	14:25
J1005251-002	MW-16B	11/1/10	15:45
J1005251-003	MW-16C	11/1/10	14:50
J1005251-004	Trip Blank	11/1/10	00:00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-16A
Lab Code: J1005251-001

Service Request: J1005251
Date Collected: 11/ 1/10 1425
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/8/10 20:19		224421	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/8/10 20:19		224421	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/8/10 20:19		224421	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/8/10 20:19		224421	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/8/10 20:19		224421	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/8/10 20:19		224421	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/8/10 20:19		224421	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/8/10 20:19		224421	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/8/10 20:19		224421	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/8/10 20:19		224421	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/8/10 20:19		224421	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/8/10 20:19		224421	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/8/10 20:19		224421	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/8/10 20:19		224421	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/8/10 20:19		224421	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/8/10 20:19		224421	
Acetone	**13.4**	I	50.0	5.60	1	NA	11/8/10 20:19		224421	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/8/10 20:19		224421	
Benzene	ND	U	1.00	0.210	1	NA	11/8/10 20:19		224421	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/8/10 20:19		224421	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/8/10 20:19		224421	
Bromoform	ND	U	2.00	0.420	1	NA	11/8/10 20:19		224421	
Bromomethane	ND	U	1.00	0.220	1	NA	11/8/10 20:19		224421	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/8/10 20:19		224421	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/8/10 20:19		224421	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/8/10 20:19		224421	
Chloroethane	ND	U	5.00	0.220	1	NA	11/8/10 20:19		224421	
Chloroform	ND	U	1.00	0.350	1	NA	11/8/10 20:19		224421	
Chloromethane	ND	U	1.00	0.110	1	NA	11/8/10 20:19		224421	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/8/10 20:19		224421	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/8/10 20:19		224421	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/8/10 20:19		224421	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/8/10 20:19		224421	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/8/10 20:19		224421	
Iodomethane	ND	U	5.00	2.68	1	NA	11/8/10 20:19		224421	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/8/10 20:19		224421	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-16A
Lab Code: J1005251-001

Service Request: J1005251
Date Collected: 11/ 1/10 1425
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/8/10 20:19		224421	
o-Xylene	ND	U	1.00	0.140	1	NA	11/8/10 20:19		224421	
Styrene	ND	U	1.00	0.291	1	NA	11/8/10 20:19		224421	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/8/10 20:19		224421	
Toluene	ND	U	1.00	0.190	1	NA	11/8/10 20:19		224421	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/8/10 20:19		224421	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/8/10 20:19		224421	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/8/10 20:19		224421	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/8/10 20:19		224421	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/8/10 20:19		224421	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/8/10 20:19		224421	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/8/10 20:19		224421	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	71-122	11/8/10 20:19	
4-Bromofluorobenzene	107	75-120	11/8/10 20:19	
Dibromofluoromethane	99	82-116	11/8/10 20:19	
Toluene-d8	111	88-117	11/8/10 20:19	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-16B
Lab Code: J1005251-002

Service Request: J1005251
Date Collected: 11/ 1/10 1545
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/8/10 20:47		224421	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/8/10 20:47		224421	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/8/10 20:47		224421	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/8/10 20:47		224421	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/8/10 20:47		224421	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/8/10 20:47		224421	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/8/10 20:47		224421	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/8/10 20:47		224421	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/8/10 20:47		224421	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/8/10 20:47		224421	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/8/10 20:47		224421	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/8/10 20:47		224421	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/8/10 20:47		224421	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/8/10 20:47		224421	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/8/10 20:47		224421	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/8/10 20:47		224421	
Acetone	ND	U	50.0	5.60	1	NA	11/8/10 20:47		224421	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/8/10 20:47		224421	
Benzene	ND	U	1.00	0.210	1	NA	11/8/10 20:47		224421	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/8/10 20:47		224421	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/8/10 20:47		224421	
Bromoform	ND	U	2.00	0.420	1	NA	11/8/10 20:47		224421	
Bromomethane	ND	U	1.00	0.220	1	NA	11/8/10 20:47		224421	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/8/10 20:47		224421	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/8/10 20:47		224421	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/8/10 20:47		224421	
Chloroethane	ND	U	5.00	0.220	1	NA	11/8/10 20:47		224421	
Chloroform	ND	U	1.00	0.350	1	NA	11/8/10 20:47		224421	
Chloromethane	ND	U	1.00	0.110	1	NA	11/8/10 20:47		224421	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/8/10 20:47		224421	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/8/10 20:47		224421	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/8/10 20:47		224421	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/8/10 20:47		224421	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/8/10 20:47		224421	
Iodomethane	ND	U	5.00	2.68	1	NA	11/8/10 20:47		224421	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/8/10 20:47		224421	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-16B
Lab Code: J1005251-002

Service Request: J1005251
Date Collected: 11/ 1/10 1545
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/8/10 20:47		224421	
o-Xylene	ND	U	1.00	0.140	1	NA	11/8/10 20:47		224421	
Styrene	ND	U	1.00	0.291	1	NA	11/8/10 20:47		224421	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/8/10 20:47		224421	
Toluene	ND	U	1.00	0.190	1	NA	11/8/10 20:47		224421	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/8/10 20:47		224421	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/8/10 20:47		224421	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/8/10 20:47		224421	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/8/10 20:47		224421	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/8/10 20:47		224421	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/8/10 20:47		224421	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/8/10 20:47		224421	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	85	71-122	11/8/10 20:47	
4-Bromofluorobenzene	100	75-120	11/8/10 20:47	
Dibromofluoromethane	94	82-116	11/8/10 20:47	
Toluene-d8	103	88-117	11/8/10 20:47	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: 11/ 1/10 1450
Date Received: 11/ 2/10

Sample Name: MW-16C
Lab Code: J1005251-003

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/8/10 21:14		224421	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/8/10 21:14		224421	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/8/10 21:14		224421	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/8/10 21:14		224421	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/8/10 21:14		224421	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/8/10 21:14		224421	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/8/10 21:14		224421	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/8/10 21:14		224421	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/8/10 21:14		224421	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/8/10 21:14		224421	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/8/10 21:14		224421	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/8/10 21:14		224421	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/8/10 21:14		224421	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/8/10 21:14		224421	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/8/10 21:14		224421	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/8/10 21:14		224421	
Acetone	ND	U	50.0	5.60	1	NA	11/8/10 21:14		224421	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/8/10 21:14		224421	
Benzene	ND	U	1.00	0.210	1	NA	11/8/10 21:14		224421	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/8/10 21:14		224421	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/8/10 21:14		224421	
Bromoform	ND	U	2.00	0.420	1	NA	11/8/10 21:14		224421	
Bromomethane	ND	U	1.00	0.220	1	NA	11/8/10 21:14		224421	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/8/10 21:14		224421	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/8/10 21:14		224421	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/8/10 21:14		224421	
Chloroethane	ND	U	5.00	0.220	1	NA	11/8/10 21:14		224421	
Chloroform	ND	U	1.00	0.350	1	NA	11/8/10 21:14		224421	
Chloromethane	ND	U	1.00	0.110	1	NA	11/8/10 21:14		224421	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/8/10 21:14		224421	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/8/10 21:14		224421	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/8/10 21:14		224421	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/8/10 21:14		224421	
Ethylbenzene	**1.15**		1.00	0.210	1	NA	11/8/10 21:14		224421	
Iodomethane	ND	U	5.00	2.68	1	NA	11/8/10 21:14		224421	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/8/10 21:14		224421	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-16C
Lab Code: J1005251-003

Service Request: J1005251
Date Collected: 11/ 1/10 1450
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/8/10 21:14		224421	
o-Xylene	ND	U	1.00	0.140	1	NA	11/8/10 21:14		224421	
Styrene	ND	U	1.00	0.291	1	NA	11/8/10 21:14		224421	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/8/10 21:14		224421	
Toluene	**1.49**		1.00	0.190	1	NA	11/8/10 21:14		224421	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/8/10 21:14		224421	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/8/10 21:14		224421	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/8/10 21:14		224421	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/8/10 21:14		224421	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/8/10 21:14		224421	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/8/10 21:14		224421	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/8/10 21:14		224421	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	71-122	11/8/10 21:14	
4-Bromofluorobenzene	104	75-120	11/8/10 21:14	
Dibromofluoromethane	97	82-116	11/8/10 21:14	
Toluene-d8	107	88-117	11/8/10 21:14	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: 11/ 1/10 0000
Date Received: 11/ 2/10

Sample Name: Trip Blank
Lab Code: J1005251-004

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/8/10 19:51		224421	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/8/10 19:51		224421	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/8/10 19:51		224421	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/8/10 19:51		224421	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/8/10 19:51		224421	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/8/10 19:51		224421	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/8/10 19:51		224421	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/8/10 19:51		224421	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/8/10 19:51		224421	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/8/10 19:51		224421	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/8/10 19:51		224421	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/8/10 19:51		224421	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/8/10 19:51		224421	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/8/10 19:51		224421	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/8/10 19:51		224421	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/8/10 19:51		224421	
Acetone	ND	U	50.0	5.60	1	NA	11/8/10 19:51		224421	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/8/10 19:51		224421	
Benzene	ND	U	1.00	0.210	1	NA	11/8/10 19:51		224421	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/8/10 19:51		224421	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/8/10 19:51		224421	
Bromoform	ND	U	2.00	0.420	1	NA	11/8/10 19:51		224421	
Bromomethane	ND	U	1.00	0.220	1	NA	11/8/10 19:51		224421	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/8/10 19:51		224421	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/8/10 19:51		224421	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/8/10 19:51		224421	
Chloroethane	ND	U	5.00	0.220	1	NA	11/8/10 19:51		224421	
Chloroform	ND	U	1.00	0.350	1	NA	11/8/10 19:51		224421	
Chloromethane	ND	U	1.00	0.110	1	NA	11/8/10 19:51		224421	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/8/10 19:51		224421	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/8/10 19:51		224421	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/8/10 19:51		224421	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/8/10 19:51		224421	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/8/10 19:51		224421	
Iodomethane	ND	U	5.00	2.68	1	NA	11/8/10 19:51		224421	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/8/10 19:51		224421	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1005251-004

Service Request: J1005251
Date Collected: 11/ 1/10 0000
Date Received: 11/ 2/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/8/10 19:51		224421	
o-Xylene	ND	U	1.00	0.140	1	NA	11/8/10 19:51		224421	
Styrene	ND	U	1.00	0.291	1	NA	11/8/10 19:51		224421	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/8/10 19:51		224421	
Toluene	ND	U	1.00	0.190	1	NA	11/8/10 19:51		224421	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/8/10 19:51		224421	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/8/10 19:51		224421	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/8/10 19:51		224421	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/8/10 19:51		224421	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/8/10 19:51		224421	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/8/10 19:51		224421	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/8/10 19:51		224421	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	71-122	11/8/10 19:51	
4-Bromofluorobenzene	102	75-120	11/8/10 19:51	
Dibromofluoromethane	94	82-116	11/8/10 19:51	
Toluene-d8	108	88-117	11/8/10 19:51	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005444-04

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/8/10 19:23		224421	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/8/10 19:23		224421	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/8/10 19:23		224421	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/8/10 19:23		224421	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/8/10 19:23		224421	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/8/10 19:23		224421	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/8/10 19:23		224421	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/8/10 19:23		224421	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/8/10 19:23		224421	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/8/10 19:23		224421	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/8/10 19:23		224421	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/8/10 19:23		224421	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/8/10 19:23		224421	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/8/10 19:23		224421	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/8/10 19:23		224421	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/8/10 19:23		224421	
Acetone	ND	U	50.0	5.60	1	NA	11/8/10 19:23		224421	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/8/10 19:23		224421	
Benzene	ND	U	1.00	0.210	1	NA	11/8/10 19:23		224421	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/8/10 19:23		224421	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/8/10 19:23		224421	
Bromoform	ND	U	2.00	0.420	1	NA	11/8/10 19:23		224421	
Bromomethane	ND	U	1.00	0.220	1	NA	11/8/10 19:23		224421	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/8/10 19:23		224421	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/8/10 19:23		224421	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/8/10 19:23		224421	
Chloroethane	ND	U	5.00	0.220	1	NA	11/8/10 19:23		224421	
Chloroform	ND	U	1.00	0.350	1	NA	11/8/10 19:23		224421	
Chloromethane	ND	U	1.00	0.110	1	NA	11/8/10 19:23		224421	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/8/10 19:23		224421	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/8/10 19:23		224421	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/8/10 19:23		224421	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/8/10 19:23		224421	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/8/10 19:23		224421	
Iodomethane	ND	U	5.00	2.68	1	NA	11/8/10 19:23		224421	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/8/10 19:23		224421	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005444-04

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 224421

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/8/10 19:23		224421	
o-Xylene	ND	U	1.00	0.140	1	NA	11/8/10 19:23		224421	
Styrene	ND	U	1.00	0.291	1	NA	11/8/10 19:23		224421	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/8/10 19:23		224421	
Toluene	ND	U	1.00	0.190	1	NA	11/8/10 19:23		224421	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/8/10 19:23		224421	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/8/10 19:23		224421	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/8/10 19:23		224421	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/8/10 19:23		224421	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/8/10 19:23		224421	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/8/10 19:23		224421	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/8/10 19:23		224421	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	71-122	11/8/10 19:23	
4-Bromofluorobenzene	105	75-120	11/8/10 19:23	
Dibromofluoromethane	95	82-116	11/8/10 19:23	
Toluene-d8	107	88-117	11/8/10 19:23	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: 11/ 1/10 1425
Date Received: 11/ 2/10

Sample Name: MW-16A
Lab Code: J1005251-001

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 18:58	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/ 8/10	11/11/10 18:58	
Barium, Total Recoverable	6020	**15.0**		µg/L	2.0	0.3	1	11/ 8/10	11/11/10 18:58	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/ 8/10	11/11/10 18:58	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/ 8/10	11/11/10 18:58	
Chromium, Total Recoverable	6020	**1**	I	µg/L	2.0	0.3	1	11/ 8/10	11/11/10 18:58	
Cobalt, Total Recoverable	6020	**0.5**	I	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:58	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/ 8/10	11/11/10 18:58	
Iron, Total Recoverable	6010B	**1150**		µg/L	100	10	1	11/ 4/10	11/11/10 23:14	
Lead, Total Recoverable	6020	**0.4**	I	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:58	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:27	
Nickel, Total Recoverable	6020	**0.6**	I	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 18:58	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/ 8/10	11/11/10 18:58	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/ 8/10	11/11/10 18:58	
Sodium, Total Recoverable	6010B	**0.97**		mg/L	0.50	0.02	1	11/ 4/10	11/11/10 23:13	
Thallium, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:58	
Vanadium, Total Recoverable	6020	**5.7**		µg/L	5.0	0.5	1	11/ 8/10	11/11/10 18:58	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/ 8/10	11/11/10 18:58	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1545
Sample Matrix:	Water	**Date Received:**	11/ 2/10
Sample Name:	MW-16B		
Lab Code:	J1005251-002	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 19:03	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/ 8/10	11/11/10 19:03	
Barium, Total Recoverable	6020	**18.9**		µg/L	2.0	0.3	1	11/ 8/10	11/11/10 19:03	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/ 8/10	11/11/10 19:03	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/ 8/10	11/11/10 19:03	
Chromium, Total Recoverable	6020	**1.6**	I	µg/L	2.0	0.3	1	11/ 8/10	11/11/10 19:03	
Cobalt, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:03	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/ 8/10	11/11/10 19:03	
Iron, Total Recoverable	6010B	**1010**		µg/L	100	10	1	11/ 4/10	11/11/10 23:19	
Lead, Total Recoverable	6020	**0.9**	I	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:03	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:28	
Nickel, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 19:03	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/ 8/10	11/11/10 19:03	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/ 8/10	11/11/10 19:03	
Sodium, Total Recoverable	6010B	**6.57**		mg/L	0.50	0.02	1	11/ 4/10	11/11/10 23:17	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:03	
Vanadium, Total Recoverable	6020	**1.3**	I	µg/L	5.0	0.5	1	11/ 8/10	11/11/10 19:03	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/ 8/10	11/11/10 19:03	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Collected: 11/ 1/10 1450
Date Received: 11/ 2/10

Sample Name: MW-16C
Lab Code: J1005251-003

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 19:08	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/ 8/10	11/11/10 19:08	
Barium, Total Recoverable	6020	**15.3**		µg/L	2.0	0.3	1	11/ 8/10	11/11/10 19:08	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/ 8/10	11/11/10 19:08	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/ 8/10	11/11/10 19:08	
Chromium, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.3	1	11/ 8/10	11/11/10 19:08	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:08	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/ 8/10	11/11/10 19:08	
Iron, Total Recoverable	6010B	**840**		µg/L	100	10	1	11/ 4/10	11/11/10 23:23	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:08	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:29	
Nickel, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 19:08	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/ 8/10	11/11/10 19:08	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/ 8/10	11/11/10 19:08	
Sodium, Total Recoverable	6010B	**11.5**		mg/L	0.50	0.02	1	11/ 4/10	11/11/10 23:22	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 19:08	
Vanadium, Total Recoverable	6020	**1.6**	I	µg/L	5.0	0.5	1	11/ 8/10	11/11/10 19:08	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/ 8/10	11/11/10 19:08	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005339-04	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Iron, Total Recoverable	6010B	**10**	I	µg/L	100	10	1	11/ 4/10	11/11/10 22:37	
Sodium, Total Recoverable	6010B	**0.20**	I	mg/L	0.50	0.02	1	11/ 4/10	11/11/10 22:35	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005354-01	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:09	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005361-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 18:48	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/ 8/10	11/11/10 18:48	
Barium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/ 8/10	11/11/10 18:48	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/ 8/10	11/11/10 18:48	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/ 8/10	11/11/10 18:48	
Chromium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/ 8/10	11/11/10 18:48	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:48	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/ 8/10	11/11/10 18:48	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:48	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/ 8/10	11/11/10 18:48	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/ 8/10	11/11/10 18:48	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/ 8/10	11/11/10 18:48	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/ 8/10	11/11/10 18:48	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/ 8/10	11/11/10 18:48	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/ 8/10	11/11/10 18:48	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1425
Sample Matrix:	Water	**Date Received:**	11/ 2/10
Sample Name:	MW-16A		
Lab Code:	J1005251-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.084**		mg/L	0.010	0.004	1	NA	11/5/10 13:10	
Chloride	300.0	**1.79**		mg/L	0.50	0.09	1	NA	11/2/10 17:59	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/2/10 17:59	
Solids, Total Dissolved	SM 2540 C	**39**		mg/L	10	10	1	NA	11/3/10 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1545
Sample Matrix:	Water	**Date Received:**	11/ 2/10
Sample Name:	MW-16B		
Lab Code:	J1005251-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.153**		mg/L	0.010	0.004	1	NA	11/5/10 13:19	
Chloride	300.0	**7.06**		mg/L	0.50	0.09	1	NA	11/2/10 18:44	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/2/10 18:44	
Solids, Total Dissolved	SM 2540 C	**34**		mg/L	10	10	1	NA	11/3/10 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1450
Sample Matrix:	Water	**Date Received:**	11/ 2/10
Sample Name:	MW-16C		
Lab Code:	J1005251-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.122**		mg/L	0.010	0.004	1	NA	11/5/10 13:13	
Chloride	300.0	**20.7**		mg/L	0.50	0.09	1	NA	11/2/10 18:59	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/2/10 18:59	
Solids, Total Dissolved	SM 2540 C	**65**		mg/L	10	10	1	NA	11/3/10 15:00	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005282-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/2/10 17:29	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/2/10 17:29	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005294-03	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/3/10 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005375-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 13:05	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
MW-16A	J1005251-001	88	107	99	111
MW-16B	J1005251-002	85	100	94	103
MW-16C	J1005251-003	87	104	97	107
Trip Blank	J1005251-004	87	102	94	108
Method Blank	JQ1005444-04	87	105	95	107
Lab Control Sample	JQ1005444-03	89	102	94	108

Surrogate Recovery Control Limits (%)

Sur1	=	1,2-Dichloroethane-d4	71 - 122
Sur2	=	4-Bromofluorobenzene	75 - 120
Sur3	=	Dibromofluoromethane	82 - 116
Sur4	=	Toluene-d8	88 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 8/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 224421

Analyte Name	Lab Control Sample JQ1005444-03 Result	Spike Amount	% Rec		% Rec Limits
1,1,1,2-Tetrachloroethane	19.2	20.0	96		85 - 117
1,1,1-Trichloroethane (TCA)	17.8	20.0	89		79 - 124
1,1,2,2-Tetrachloroethane	20.7	20.0	104		83 - 120
1,1,2-Trichloroethane	21.4	20.0	107		86 - 114
1,1-Dichloroethane (1,1-DCA)	18.2	20.0	91		80 - 128
1,1-Dichloroethene (1,1-DCE)	19.0	20.0	95		78 - 130
1,2,3-Trichloropropane	20.9	20.0	104		83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	17.0	20.0	85		62 - 123
1,2-Dibromoethane (EDB)	21.4	20.0	107		88 - 117
1,2-Dichlorobenzene	19.3	20.0	96		84 - 115
1,2-Dichloroethane	16.5	20.0	83		80 - 124
1,2-Dichloropropane	19.2	20.0	96		79 - 123
1,4-Dichlorobenzene	18.6	20.0	93		83 - 113
2-Butanone (MEK)	89.2	100	89		73 - 127
2-Hexanone	88.9	100	89		71 - 138
4-Methyl-2-pentanone (MIBK)	91.1	100	91		72 - 136
Acetone	93.7	100	94		67 - 133
Acrylonitrile	89.1	100	89		77 - 127
Benzene	18.9	20.0	95		79 - 119
Bromochloromethane	20.0	20.0	100		79 - 129
Bromodichloromethane	17.9	20.0	89		81 - 123
Bromoform	17.0	20.0	85		68 - 129
Bromomethane	21.6	20.0	108		79 - 130
Carbon Disulfide	98.2	100	98		76 - 138
Carbon Tetrachloride	16.0	20.0	80	*	81 - 125
Chlorobenzene	21.0	20.0	105		86 - 113
Chloroethane	20.8	20.0	104		74 - 126
Chloroform	18.6	20.0	93		83 - 124
Chloromethane	17.4	20.0	87		67 - 135
cis-1,2-Dichloroethene	18.1	20.0	90		80 - 126
cis-1,3-Dichloropropene	19.9	20.0	99		86 - 123
Dibromochloromethane	19.3	20.0	96		82 - 121

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 8/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 224421

Lab Control Sample
JQ1005444-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dibromomethane	19.2	20.0	96	83 - 123
Ethylbenzene	20.2	20.0	101	90 - 118
Iodomethane	97.6	100	98	68 - 134
m,p-Xylenes	40.1	40.0	100	86 - 121
Methylene Chloride	19.4	20.0	97	72 - 124
o-Xylene	19.6	20.0	98	89 - 119
Styrene	20.4	20.0	102	89 - 122
Tetrachloroethene (PCE)	22.0	20.0	110	80 - 121
Toluene	20.6	20.0	103	86 - 117
trans-1,2-Dichloroethene	17.6	20.0	88	77 - 124
trans-1,3-Dichloropropene	18.8	20.0	94	83 - 124
trans-1,4-Dichloro-2-butene	13.4	20.0	67	53 - 143
Trichloroethene (TCE)	19.8	20.0	99	76 - 124
Trichlorofluoromethane	18.7	20.0	94	74 - 134
Vinyl Acetate	68.8	100	69	61 - 148
Vinyl Chloride	20.3	20.0	102	78 - 132

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Analyzed:**	11/11/10 - 11/12/10
Sample Matrix:	Water		

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

		Lab Control Sample JQ1005339-01			Duplicate Lab Control Sample JQ1005339-02					
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Total Recoverable	6010B	2050	2000	103	2020	2000	101	80 - 120	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/11/10 - 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

		Lab Control Sample JQ1005339-01			Duplicate Lab Control Sample JQ1005339-02					
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sodium, Total Recoverable	6010B	9.87	10.0	99	10.1	10.0	101	80 - 120	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 8/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005354-02 Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	7470A	4.98	5.00	100	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/11/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005361-01 Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	52.9	50.0	106	80 - 120
Arsenic, Total Recoverable	6020	53.5	50.0	107	80 - 120
Barium, Total Recoverable	6020	51.8	50.0	104	80 - 120
Beryllium, Total Recoverable	6020	51.9	50.0	104	80 - 120
Cadmium, Total Recoverable	6020	52.5	50.0	105	80 - 120
Chromium, Total Recoverable	6020	52.0	50.0	104	80 - 120
Cobalt, Total Recoverable	6020	52.6	50.0	105	80 - 120
Copper, Total Recoverable	6020	52.1	50.0	104	80 - 120
Lead, Total Recoverable	6020	51.2	50.0	102	80 - 120
Nickel, Total Recoverable	6020	51.6	50.0	103	80 - 120
Selenium, Total Recoverable	6020	53.7	50.0	107	80 - 120
Silver, Total Recoverable	6020	51.8	50.0	104	80 - 120
Thallium, Total Recoverable	6020	51.0	50.0	102	80 - 120
Vanadium, Total Recoverable	6020	52.0	50.0	104	80 - 120
Zinc, Total Recoverable	6020	104	100	104	80 - 120

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/1/10
Sample Matrix:	Water	**Date Received:**	11/2/10
		Date Analyzed:	11/ 2/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	MW-16A	**Units:**	mg/L
Lab Code:	J1005251-001	**Basis:**	NA

Analytical Method: 300.0

MW-16AMS
Matrix Spike
JQ1005282-03

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	1.79	50.2	50.0	97	90 - 110
Nitrate as Nitrogen	ND	4.50	5.00	90	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/1/10
Sample Matrix:	Water	**Date Received:**	11/2/10
		Date Analyzed:	11/ 5/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	MW-16A	**Units:**	mg/L
Lab Code:	J1005251-001	**Basis:**	NA

Analytical Method: 350.1

		MW-16AMS **Matrix Spike** JQ1005375-03			
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Ammonia as Nitrogen	0.084	1.02	1.00	94	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/1/10
Sample Matrix:	Water	**Date Received:**	11/2/10
		Date Analyzed:	11/ 2/10 - 11/ 5/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-16A	**Units:**	mg/L
Lab Code:	J1005251-001	**Basis:**	NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-16ADUP Duplicate Sample JQ1005282-04 Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.09	1.79	1.75	1.77	2	20
Nitrate as Nitrogen	300.0	0.20	0.07	ND U	ND U	NC	NC	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/1/10
Sample Matrix:	Water	**Date Received:**	11/2/10
		Date Analyzed:	11/ 2/10 - 11/ 5/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-16A	**Units:**	mg/L
Lab Code:	J1005251-001	**Basis:**	NA

					MW-16ADUP Duplicate Sample JQ1005375-04			
Analyte Name	**Method**	**MRL**	**MDL**	**Sample Result**	**Result**	**Average**	**RPD**	**RPD Limit**
Ammonia as Nitrogen	350.1	0.010	0.004	0.084	0.071	0.0778	17	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 2/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005282-02 Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	50.7	50.0	101	90 - 110
Nitrate as Nitrogen	300.0	4.75	5.00	95	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 3/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005294-04 Result	Spike Amount	% Rec	Duplicate Lab Control Sample JQ1005294-05 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	288	300	96	293	300	98	85 - 115	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 3/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005294-06 Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	SM 2540 C	28.0	30	93	70 - 130

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005375-02 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.982	1.00	98	90 - 110

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

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

Cooler Receipt Form

Client: EPS Service Request #: J1005251

Project: JED SWDF

Cooler received on 11/2/10 and opened on 11/2/10 by CKS

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

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)	3.3°								
5	Thermometer ID	T12								
6	Temperature Blank Present?	(Yes)	No							
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No						
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A						
9	Type of packing material present	Netting	Vial Holder	(Bubble Wrap)						
		Paper	Styrofoam	Other	N/A					
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A						
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A						
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A						
13	Were all of the preserved bottles received with the appropriate preservative?	(Yes)	No	N/A						
	(HNO3 pH<2) (H2SO4 pH<2) ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2									
	Preservative additions noted below									
14	Were all samples received within analysis holding times?	(Yes)	No	N/A						
15	Were VOA vials checked for absence of air bubbles? If present, note below	(Yes)	No	N/A						
16	Where did the bottles originate?	(CAS)	Client							

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J 1005251

Date: 11/2/10

Initials: CB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Ziplock	Misc.	
Container	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	G	P	P	G	G	G	G	G	G	G	P	P	Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-		-					-	-	-	
-1	3	3				1		1		1																						-1
-2	↓	↓				1		1		1																						-2
-3	↓	↓				1		1		1																						-3
-4		1																														-4
-5																																-5
-6																																-6
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-37																																-37
-38																																-38
-39																																-39
-40																																-40

45

NOTE: VOA pH checks are performed by the analytical area, not sample control

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services

www.caslab.com

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

SR # J1005251
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@envplanning.com
Company/Address: EPS 1936 Bruce B Downs Blvd #328 Wesley Chapel, FL 33543	
Phone #: 813-389-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and [redacted]

PRESERVATIVE: 1 0 3 0 2

NUMBER OF CONTAINERS / 8260 / 8011 / NH_3 / TDS, Cl, NO_3 / Metals

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

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	8260	8011	NH_3	TDS, Cl, NO_3	Metals	REMARKS/ ALTERNATE DESCRIPTION
MW-16A		11-1-10	1425	GW	9	3	3	1	1	1	
MW-16B		11-1-10	1545	GW	9	3	3	1	1	1	
MW-16C		11-1-10	1450	GW	9	3	3	1	1	1	
Trip Blnk		10-25-10	0800	DI H_2O	1	1					

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10305-JED-1

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
46					
Signature: Joe Terry	Signature: Charles Barringer	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-1-10/1700	Date/Time: 11/2/10 0920	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Columbia Analytical Services™ 9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 17, 2010 Service Request No: J1005251

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 2, 2010. For your reference, these analyses have been assigned our service request number **J1005251**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005251
Project:	JED SWDF	**Date Received:**	11/2/10
Sample Matrix:	Water		

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. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Three aqueous samples were received for analysis at Columbia Analytical Services on 11/2/10. The samples were received at 1°C within the 0-6°C temperature guidelines.

Extractable Organics by 8011

The surrogate Tetrachloro-m-xylene for samples MW-16A, MW-16B and MW-16C have been flagged with an "*" as being outside of the control limits low due to sample matrix. Sample MW-16B and MW-16C were re-extracted and reanalyzed and both sets of data have been reported. Sample MW-16A had QC analyzed on it and confirmed matrix interference.

No other analytical or quality control problems were encountered during analysis.

Approved by N Patten **Date** 11/18/10

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: J1005251

Lab ID	Client ID
J1005251-001	MW-16A
J1005251-002	MW-16B
J1005251-003	MW-16C

Columbia Analytical Services INC

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1425
Sample Matrix:	Water	**Date Received:**	11/ 2/10
		Date Extracted:	11/5/10
		Date Analyzed:	11/12/10 05:43
Sample Name:	MW-16A	**Units:**	µg/L
Lab Code:	J1005251-001	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	122546
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF803.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	61	*	73-145	11/12/10 05:43	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1545
Sample Matrix:	Water	**Date Received:**	11/ 2/10
		Date Extracted:	11/5/10
		Date Analyzed:	11/12/10 07:15
Sample Name:	MW-16B	**Units:**	µg/L
Lab Code:	J1005251-002	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	122546
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF806.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	69	*	73-145	11/12/10 07:15	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1545
Sample Matrix:	Water	**Date Received:**	11/ 2/10
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 17:38
Sample Name:	MW-16B	**Units:**	µg/L
Lab Code:	J1005251-002	**Basis:**	NA
Run Type:	Reanalysis		

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF909.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	92	73-145	11/15/10 17:38	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1450
Sample Matrix:	Water	**Date Received:**	11/ 2/10
		Date Extracted:	11/5/10
		Date Analyzed:	11/12/10 08:17
Sample Name:	MW-16C	**Units:**	µg/L
Lab Code:	J1005251-003	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	122546
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF808.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	62	*	73-145	11/12/10 08:17	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	11/ 1/10 1450
Sample Matrix:	Water	**Date Received:**	11/ 2/10
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 18:08
Sample Name:	MW-16C	**Units:**	µg/L
Lab Code:	J1005251-003	**Basis:**	NA
Run Type:	Reanalysis		

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF910.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	105	73-145	11/15/10 18:08	

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/5/10
		Date Analyzed:	11/12/10 01:07
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009821-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	122546
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF794.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	111	73-145	11/12/10 01:07	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005251
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 15:04
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1010213-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF904.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	115	73-145	11/15/10 15:04	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/12/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 122546

	Lab Control Sample RQ1009821-02			Duplicate Lab Control Sample RQ1009821-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.125	0.114	109	0.124	0.114	108	60 - 140	<1	30
1,2-Dibromoethane	0.121	0.114	105	0.121	0.114	105	60 - 140	<1	30

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005251
Date Analyzed: 11/15/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 123755

	Lab Control Sample RQ1010213-02			Duplicate Lab Control Sample RQ1010213-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.102	0.114	89	0.101	0.114	88	60 - 140	1	30
1,2-Dibromoethane	0.115	0.114	100	0.113	0.114	99	60 - 140	2	30

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

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

Intra-Network Chain of Custody

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

CAS Contact: Craig Myers

Project Name: JED SWDF
Project Number:
Project Manager: Kirk Wills
Company: Environmental Planning Specialists

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	EDB_DBCP 8011
J1005251-001	MW-16A	3	Water	11/1/10	1425	11/2/10	ROCHESTER	II
J1005251-002	MW-16B	↓	Water	11/1/10	1545	11/2/10	ROCHESTER	II
J1005251-003	MW-16C	↓	Water	11/1/10	1450	11/2/10	ROCHESTER	II

Special Instructions/Comments

PLEASE SEND
RESULTS TO
MANDY SULLIVAN

Turnaround Requirements

____RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

✓ STANDARD

Requested FAX Date: _____

Requested Report Date: 11/16/10

Report Requirements

___ I. Results Only

✓ II. Results + QC Summaries

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y

Invoice Information

PO# J1005251

Bill to

Relinquished By: 11/3/10

Received By:

Airbill Number:

61 00014

Cooler Receipt And Preservation Check Form

Project/Client CAS - Jax Folder Number _____.

Cooler received on 11/3/10 by: BD **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	YES	NO (N/A)
5.	Were **Ice** or **Ice packs** present?	(YES)	NO
6.	Where did the bottles originate?	CAS/ROC, (CLIENT)	
7.	Temperature of cooler(s) upon receipt:	1°	

Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 11/3 @ 1047

Thermometer ID: (IR GUN#3) IR GUN#4 Reading From: (Temp Blank) Sample Bottle

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: _____

Cooler Breakdown: Date: 11/3/10 Time: 1305 by: _____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO

4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: client

Other Comments:

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 18, 2010 Service Request No: J1005286

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 3, 2010. For your reference, these analyses have been assigned our service request number **J1005286**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005286
Project:	JED SWDF	**Date Received:**	11/3/10
Sample Matrix:	Water		

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

Nine water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/3/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Continuing Calibration Verification Exceptions

The primary evaluation criterion was exceeded for the following analytes in Continuing Calibration Verification (CCV) JWG1004052-2: trans-1,4-Dichloro-2-butene. The primary evaluation criterion was exceeded for the following analytes in Continuing Calibration Verification (CCV) JWG1004065-2: trans-1,4-Dichloro-2-butene and Vinyl Acetate. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Surrogate Exceptions

The upper control criterion was exceeded for the following surrogate in Method Blank JQ1005640-02: Toluene-d8. No target analytes were detected in the Method Blank. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. No further corrective action was appropriate.

Lab Control Sample Exceptions

The spike recoveries of 1,2-Dichloroethane (EDC) and trans-1,4-Dichloro-2-butene for Laboratory Control Sample (LCS) JWG1002039-3 were outside the lower control criterion. The analytes in question were not detected in the associated field sample. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ **Date** 11/18/10

Metals by ICP-MS/ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6020/6010B/7470A. The following observations were made regarding this delivery group.

Samples Notes and Discussion

Due to an inadvertent error caused by the installation of a new de-ionized water system in the laboratory, the incorrect water type was provided for the equipment blank collection. Due to this mistake, the equipment blank has detections that are highly suspect and most likely due to the de-ionized water system. This should have no impact on the sample data and the comparison of the data to historical results.

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. The following observations were made regarding this delivery group.

Samples Notes and Discussion

Due to an inadvertent error caused by the installation of a new de-ionized water system in the laboratory, the incorrect water type was provided for the equipment blank collection. Due to this mistake, the equipment blank has detections that are highly suspect and most likely due to the de-ionized water system. This should have no impact on the sample data and the comparison of the data to historical results.

Subcontracted Analytical Parameters

The samples were delivered to Columbia Analytical Services, Inc. in Rochester, NY on 11/5/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Sample Notes and Discussion

For the EPA Method 8011 analysis, our Rochester lab was not able to meet the Florida GCTL for 1,2-Dibromoethane (EDB) of 0.02ug/L. The Method Detection Limit (MDL) reported for EDB is 0.03ug/L, which is 0.01ug/L above the GCTL. Based on historical data from this site, this analyte has never been detected in any of the samples at or below the Florida GCTL. It is our opinion that the impact on the data is minimal.

Approved by _____ **Date** 11/18/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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: Environmental Planning Specialists
Project: JED SWDF

Service Request: J1005286

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005286-001	MW-13A	11/2/10	08:40
J1005286-002	MW-13C	11/2/10	08:15
J1005286-003	MW-12A	11/2/10	10:20
J1005286-004	MW-12C	11/2/10	09:40
J1005286-005	MW-11A	11/2/10	12:25
J1005286-006	MW-11C	11/2/10	11:55
J1005286-007	MW-10A	11/2/10	14:40
J1005286-008	MW-10C	11/2/10	15:10
J1005286-009	EB-1	11/2/10	12:50
J1005286-010	Trip Blank	11/2/10	00:00

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0840
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13A	**Units:**	µg/L
Lab Code:	J1005286-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 00:25		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 00:25		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 00:25		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 00:25		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 00:25		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 00:25		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 00:25		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 00:25		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 00:25		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 00:25		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 00:25		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 00:25		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 00:25		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 00:25		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 00:25		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 00:25		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 00:25		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 00:25		225490	
Benzene	**1.31**		1.00	0.210	1	NA	11/16/10 00:25		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 00:25		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 00:25		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 00:25		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 00:25		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 00:25		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 00:25		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 00:25		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 00:25		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 00:25		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 00:25		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 00:25		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 00:25		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 00:25		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 00:25		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 00:25		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 00:25		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 00:25		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0840
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13A	**Units:**	µg/L
Lab Code:	J1005286-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 00:25		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 00:25		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 00:25		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 00:25		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 00:25		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 00:25		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 00:25		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 00:25		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 00:25		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 00:25		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 00:25		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 00:25		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	71-122	11/16/10 00:25	
4-Bromofluorobenzene	102	75-120	11/16/10 00:25	
Dibromofluoromethane	94	82-116	11/16/10 00:25	
Toluene-d8	103	88-117	11/16/10 00:25	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 0815
Date Received: 11/ 3/10

Sample Name: MW-13C
Lab Code: J1005286-002

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 00:53		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 00:53		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 00:53		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 00:53		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 00:53		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 00:53		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 00:53		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 00:53		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 00:53		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 00:53		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 00:53		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 00:53		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 00:53		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 00:53		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 00:53		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 00:53		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 00:53		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 00:53		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 00:53		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 00:53		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 00:53		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 00:53		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 00:53		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 00:53		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 00:53		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 00:53		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 00:53		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 00:53		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 00:53		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 00:53		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 00:53		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 00:53		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 00:53		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 00:53		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 00:53		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 00:53		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0815
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13C	**Units:**	µg/L
Lab Code:	J1005286-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 00:53		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 00:53		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 00:53		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 00:53		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 00:53		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 00:53		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 00:53		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 00:53		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 00:53		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 00:53		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 00:53		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 00:53		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	84	71-122	11/16/10 00:53	
4-Bromofluorobenzene	104	75-120	11/16/10 00:53	
Dibromofluoromethane	95	82-116	11/16/10 00:53	
Toluene-d8	104	88-117	11/16/10 00:53	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12A	**Units:**	µg/L
Lab Code:	J1005286-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 01:20		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 01:20		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 01:20		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 01:20		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 01:20		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 01:20		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 01:20		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 01:20		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 01:20		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 01:20		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 01:20		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 01:20		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 01:20		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 01:20		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 01:20		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 01:20		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 01:20		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 01:20		225490	
Benzene	**2.19**		1.00	0.210	1	NA	11/16/10 01:20		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 01:20		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 01:20		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 01:20		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 01:20		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 01:20		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 01:20		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 01:20		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 01:20		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 01:20		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 01:20		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 01:20		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 01:20		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 01:20		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 01:20		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 01:20		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 01:20		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 01:20		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12A	**Units:**	µg/L
Lab Code:	J1005286-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 01:20		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 01:20		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 01:20		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 01:20		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 01:20		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 01:20		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 01:20		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 01:20		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 01:20		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 01:20		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 01:20		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 01:20		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	71-122	11/16/10 01:20	
4-Bromofluorobenzene	105	75-120	11/16/10 01:20	
Dibromofluoromethane	96	82-116	11/16/10 01:20	
Toluene-d8	105	88-117	11/16/10 01:20	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0940
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12C	**Units:**	µg/L
Lab Code:	J1005286-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 01:48		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 01:48		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 01:48		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 01:48		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 01:48		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 01:48		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 01:48		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 01:48		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 01:48		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 01:48		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 01:48		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 01:48		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 01:48		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 01:48		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 01:48		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 01:48		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 01:48		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 01:48		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 01:48		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 01:48		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 01:48		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 01:48		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 01:48		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 01:48		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 01:48		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 01:48		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 01:48		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 01:48		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 01:48		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 01:48		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 01:48		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 01:48		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 01:48		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 01:48		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 01:48		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 01:48		225490	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0940
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12C	**Units:**	µg/L
Lab Code:	J1005286-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 01:48		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 01:48		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 01:48		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 01:48		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 01:48		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 01:48		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 01:48		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 01:48		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 01:48		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 01:48		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 01:48		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 01:48		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	71-122	11/16/10 01:48	
4-Bromofluorobenzene	104	75-120	11/16/10 01:48	
Dibromofluoromethane	96	82-116	11/16/10 01:48	
Toluene-d8	104	88-117	11/16/10 01:48	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 1225
Date Received: 11/ 3/10

Sample Name: MW-11A
Lab Code: J1005286-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 02:16		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 02:16		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 02:16		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 02:16		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 02:16		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 02:16		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 02:16		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 02:16		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 02:16		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 02:16		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 02:16		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 02:16		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 02:16		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 02:16		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 02:16		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 02:16		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 02:16		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 02:16		225490	
Benzene	**5.65**		1.00	0.210	1	NA	11/16/10 02:16		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 02:16		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 02:16		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 02:16		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 02:16		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 02:16		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 02:16		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 02:16		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 02:16		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 02:16		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 02:16		225490	
cis-1,2-Dichloroethene	**1.15**		1.00	0.360	1	NA	11/16/10 02:16		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 02:16		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 02:16		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 02:16		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 02:16		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 02:16		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 02:16		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1225
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-11A	**Units:**	µg/L
Lab Code:	J1005286-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 02:16		225490	
o-Xylene	**0.320**	I	1.00	0.140	1	NA	11/16/10 02:16		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 02:16		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 02:16		225490	
Toluene	**0.300**	I	1.00	0.190	1	NA	11/16/10 02:16		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 02:16		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 02:16		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 02:16		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 02:16		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 02:16		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 02:16		225490	
Vinyl Chloride	**1.38**		1.00	0.220	1	NA	11/16/10 02:16		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	71-122	11/16/10 02:16	
4-Bromofluorobenzene	106	75-120	11/16/10 02:16	
Dibromofluoromethane	96	82-116	11/16/10 02:16	
Toluene-d8	105	88-117	11/16/10 02:16	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 1155
Date Received: 11/ 3/10

Sample Name: MW-11C
Lab Code: J1005286-006

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225579

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 23:07		225579	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 23:07		225579	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 23:07		225579	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 23:07		225579	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 23:07		225579	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 23:07		225579	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 23:07		225579	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 23:07		225579	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 23:07		225579	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 23:07		225579	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 23:07		225579	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 23:07		225579	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 23:07		225579	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 23:07		225579	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 23:07		225579	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 23:07		225579	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 23:07		225579	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 23:07		225579	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 23:07		225579	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 23:07		225579	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 23:07		225579	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 23:07		225579	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 23:07		225579	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 23:07		225579	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 23:07		225579	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 23:07		225579	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 23:07		225579	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 23:07		225579	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 23:07		225579	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 23:07		225579	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 23:07		225579	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 23:07		225579	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 23:07		225579	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 23:07		225579	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 23:07		225579	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 23:07		225579	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1155
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-11C	**Units:**	µg/L
Lab Code:	J1005286-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225579

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 23:07		225579	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 23:07		225579	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 23:07		225579	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 23:07		225579	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 23:07		225579	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 23:07		225579	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 23:07		225579	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 23:07		225579	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 23:07		225579	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 23:07		225579	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 23:07		225579	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 23:07		225579	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	97	71-122	11/16/10 23:07	
4-Bromofluorobenzene	103	75-120	11/16/10 23:07	
Dibromofluoromethane	100	82-116	11/16/10 23:07	
Toluene-d8	108	88-117	11/16/10 23:07	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 1440
Date Received: 11/ 3/10

Sample Name: MW-10A
Lab Code: J1005286-007

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 03:11		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 03:11		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 03:11		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 03:11		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 03:11		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 03:11		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 03:11		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 03:11		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 03:11		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 03:11		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 03:11		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 03:11		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 03:11		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 03:11		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 03:11		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 03:11		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 03:11		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 03:11		225490	
Benzene	**2.74**		1.00	0.210	1	NA	11/16/10 03:11		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 03:11		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 03:11		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 03:11		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 03:11		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 03:11		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 03:11		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 03:11		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 03:11		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 03:11		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 03:11		225490	
cis-1,2-Dichloroethene	**0.850**	I	1.00	0.360	1	NA	11/16/10 03:11		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 03:11		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 03:11		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 03:11		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 03:11		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 03:11		225490	
m,p-Xylenes	**1.13**	I	2.00	0.410	1	NA	11/16/10 03:11		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1440
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10A	**Units:**	µg/L
Lab Code:	J1005286-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 03:11		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 03:11		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 03:11		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 03:11		225490	
Toluene	**0.330**	I	1.00	0.190	1	NA	11/16/10 03:11		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 03:11		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 03:11		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 03:11		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 03:11		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 03:11		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 03:11		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 03:11		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	71-122	11/16/10 03:11	
4-Bromofluorobenzene	104	75-120	11/16/10 03:11	
Dibromofluoromethane	94	82-116	11/16/10 03:11	
Toluene-d8	104	88-117	11/16/10 03:11	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1510
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10C	**Units:**	µg/L
Lab Code:	J1005286-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 03:38		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 03:38		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 03:38		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 03:38		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 03:38		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 03:38		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 03:38		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 03:38		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 03:38		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 03:38		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 03:38		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 03:38		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 03:38		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 03:38		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 03:38		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 03:38		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 03:38		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 03:38		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 03:38		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 03:38		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 03:38		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 03:38		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 03:38		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 03:38		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 03:38		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 03:38		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 03:38		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 03:38		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 03:38		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 03:38		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 03:38		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 03:38		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 03:38		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 03:38		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 03:38		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 03:38		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1510
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10C	**Units:**	µg/L
Lab Code:	J1005286-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 03:38		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 03:38		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 03:38		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 03:38		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 03:38		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 03:38		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 03:38		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 03:38		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 03:38		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 03:38		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 03:38		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 03:38		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	71-122	11/16/10 03:38	
4-Bromofluorobenzene	104	75-120	11/16/10 03:38	
Dibromofluoromethane	94	82-116	11/16/10 03:38	
Toluene-d8	102	88-117	11/16/10 03:38	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	EB-1	**Units:**	µg/L
Lab Code:	J1005286-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 04:05		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 04:05		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 04:05		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 04:05		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 04:05		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 04:05		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 04:05		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 04:05		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 04:05		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 04:05		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 04:05		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 04:05		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 04:05		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 04:05		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 04:05		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 04:05		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 04:05		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 04:05		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 04:05		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 04:05		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 04:05		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 04:05		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 04:05		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 04:05		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 04:05		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 04:05		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 04:05		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 04:05		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 04:05		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 04:05		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 04:05		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 04:05		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 04:05		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 04:05		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 04:05		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 04:05		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	EB-1	**Units:**	µg/L
Lab Code:	J1005286-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 04:05		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 04:05		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 04:05		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 04:05		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 04:05		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 04:05		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 04:05		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 04:05		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 04:05		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 04:05		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 04:05		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 04:05		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	71-122	11/16/10 04:05	
4-Bromofluorobenzene	107	75-120	11/16/10 04:05	
Dibromofluoromethane	96	82-116	11/16/10 04:05	
Toluene-d8	107	88-117	11/16/10 04:05	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 0000
Date Received: 11/ 3/10

Sample Name: Trip Blank
Lab Code: J1005286-010

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 04:33		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 04:33		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 04:33		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 04:33		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 04:33		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 04:33		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 04:33		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 04:33		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 04:33		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 04:33		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 04:33		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 04:33		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 04:33		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 04:33		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 04:33		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 04:33		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 04:33		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 04:33		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 04:33		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 04:33		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 04:33		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 04:33		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 04:33		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 04:33		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 04:33		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 04:33		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 04:33		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 04:33		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 04:33		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 04:33		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 04:33		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 04:33		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 04:33		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 04:33		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 04:33		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 04:33		225490	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0000
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	J1005286-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 04:33		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 04:33		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 04:33		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 04:33		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 04:33		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 04:33		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 04:33		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 04:33		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 04:33		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 04:33		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 04:33		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 04:33		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	71-122	11/16/10 04:33	
4-Bromofluorobenzene	106	75-120	11/16/10 04:33	
Dibromofluoromethane	94	82-116	11/16/10 04:33	
Toluene-d8	104	88-117	11/16/10 04:33	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005619-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/15/10 20:16		225490	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/15/10 20:16		225490	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/15/10 20:16		225490	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/15/10 20:16		225490	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/15/10 20:16		225490	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/15/10 20:16		225490	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/15/10 20:16		225490	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/15/10 20:16		225490	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/15/10 20:16		225490	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/15/10 20:16		225490	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/15/10 20:16		225490	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/15/10 20:16		225490	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/15/10 20:16		225490	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/15/10 20:16		225490	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/15/10 20:16		225490	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/15/10 20:16		225490	
Acetone	ND	U	50.0	5.60	1	NA	11/15/10 20:16		225490	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/15/10 20:16		225490	
Benzene	ND	U	1.00	0.210	1	NA	11/15/10 20:16		225490	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/15/10 20:16		225490	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/15/10 20:16		225490	
Bromoform	ND	U	2.00	0.420	1	NA	11/15/10 20:16		225490	
Bromomethane	ND	U	1.00	0.220	1	NA	11/15/10 20:16		225490	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/15/10 20:16		225490	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/15/10 20:16		225490	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/15/10 20:16		225490	
Chloroethane	ND	U	5.00	0.220	1	NA	11/15/10 20:16		225490	
Chloroform	ND	U	1.00	0.350	1	NA	11/15/10 20:16		225490	
Chloromethane	ND	U	1.00	0.110	1	NA	11/15/10 20:16		225490	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/15/10 20:16		225490	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/15/10 20:16		225490	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/15/10 20:16		225490	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/15/10 20:16		225490	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/15/10 20:16		225490	
Iodomethane	ND	U	5.00	2.68	1	NA	11/15/10 20:16		225490	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/15/10 20:16		225490	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005619-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225490

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/15/10 20:16		225490	
o-Xylene	ND	U	1.00	0.140	1	NA	11/15/10 20:16		225490	
Styrene	ND	U	1.00	0.291	1	NA	11/15/10 20:16		225490	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/15/10 20:16		225490	
Toluene	ND	U	1.00	0.190	1	NA	11/15/10 20:16		225490	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/15/10 20:16		225490	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/15/10 20:16		225490	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/15/10 20:16		225490	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/15/10 20:16		225490	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/15/10 20:16		225490	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/15/10 20:16		225490	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/15/10 20:16		225490	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	86	71-122	11/15/10 20:16	
4-Bromofluorobenzene	103	75-120	11/15/10 20:16	
Dibromofluoromethane	91	82-116	11/15/10 20:16	
Toluene-d8	104	88-117	11/15/10 20:16	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005640-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225579

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/16/10 22:39		225579	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/16/10 22:39		225579	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/16/10 22:39		225579	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/16/10 22:39		225579	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/16/10 22:39		225579	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/16/10 22:39		225579	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/16/10 22:39		225579	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/16/10 22:39		225579	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/16/10 22:39		225579	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/16/10 22:39		225579	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/16/10 22:39		225579	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/16/10 22:39		225579	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/16/10 22:39		225579	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/16/10 22:39		225579	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/16/10 22:39		225579	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/16/10 22:39		225579	
Acetone	ND	U	50.0	5.60	1	NA	11/16/10 22:39		225579	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/16/10 22:39		225579	
Benzene	ND	U	1.00	0.210	1	NA	11/16/10 22:39		225579	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/16/10 22:39		225579	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/16/10 22:39		225579	
Bromoform	ND	U	2.00	0.420	1	NA	11/16/10 22:39		225579	
Bromomethane	ND	U	1.00	0.220	1	NA	11/16/10 22:39		225579	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/16/10 22:39		225579	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/16/10 22:39		225579	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/16/10 22:39		225579	
Chloroethane	ND	U	5.00	0.220	1	NA	11/16/10 22:39		225579	
Chloroform	ND	U	1.00	0.350	1	NA	11/16/10 22:39		225579	
Chloromethane	ND	U	1.00	0.110	1	NA	11/16/10 22:39		225579	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/16/10 22:39		225579	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/16/10 22:39		225579	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/16/10 22:39		225579	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/16/10 22:39		225579	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/16/10 22:39		225579	
Iodomethane	ND	U	5.00	2.68	1	NA	11/16/10 22:39		225579	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/16/10 22:39		225579	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005640-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225579

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/16/10 22:39		225579	
o-Xylene	ND	U	1.00	0.140	1	NA	11/16/10 22:39		225579	
Styrene	ND	U	1.00	0.291	1	NA	11/16/10 22:39		225579	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/16/10 22:39		225579	
Toluene	ND	U	1.00	0.190	1	NA	11/16/10 22:39		225579	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/16/10 22:39		225579	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/16/10 22:39		225579	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/16/10 22:39		225579	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/16/10 22:39		225579	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/16/10 22:39		225579	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/16/10 22:39		225579	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/16/10 22:39		225579	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103		71-122	11/16/10 22:39	
4-Bromofluorobenzene	113		75-120	11/16/10 22:39	
Dibromofluoromethane	106		82-116	11/16/10 22:39	
Toluene-d8	119	*	88-117	11/16/10 22:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0840
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13A		
Lab Code:	J1005286-001	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:04	
Arsenic, Total Recoverable	6020	**19.7**		µg/L	0.50	0.40	1	11/10/10	11/12/10 14:04	
Barium, Total Recoverable	6020	**8.7**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:04	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:04	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:04	
Chromium, Total Recoverable	6020	**3.2**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:04	
Cobalt, Total Recoverable	6020	**0.6**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:04	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:04	
Iron, Total Recoverable	6010B	**16400**		µg/L	100	10	1	11/ 4/10	11/11/10 23:55	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:04	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:41	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:04	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:04	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:04	
Sodium, Total Recoverable	6010B	**9.05**		mg/L	0.50	0.02	1	11/ 4/10	11/11/10 23:54	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:04	
Vanadium, Total Recoverable	6020	**3.6**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:04	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/12/10 14:04	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 0815
Date Received: 11/ 3/10

Sample Name: MW-13C
Lab Code: J1005286-002

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:09	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 14:09	
Barium, Total Recoverable	6020	**19.6**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:09	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:09	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:09	
Chromium, Total Recoverable	6020	**0.6**	I	µg/L	2.0	0.3	1	11/10/10	11/12/10 14:09	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:09	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:09	
Iron, Total Recoverable	6010B	**540**		µg/L	100	10	1	11/ 4/10	11/12/10 00:00	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:09	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:29	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:09	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:09	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:09	
Sodium, Total Recoverable	6010B	**8.08**		mg/L	0.50	0.02	1	11/ 4/10	11/11/10 23:58	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:09	
Vanadium, Total Recoverable	6020	**0.9**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:09	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/12/10 14:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12A		
Lab Code:	J1005286-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:14	
Arsenic, Total Recoverable	6020	**1.60**		µg/L	0.50	0.40	1	11/10/10	11/12/10 14:14	
Barium, Total Recoverable	6020	**16.5**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:14	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:14	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:14	
Chromium, Total Recoverable	6020	**2.8**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:14	
Cobalt, Total Recoverable	6020	**1.3**		µg/L	1.0	0.1	1	11/10/10	11/12/10 14:14	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:14	
Iron, Total Recoverable	6010B	**1950**		µg/L	100	10	1	11/ 4/10	11/12/10 00:13	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:34	
Nickel, Total Recoverable	6020	**3.4**		µg/L	2.0	0.2	1	11/10/10	11/12/10 14:14	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:14	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:14	
Sodium, Total Recoverable	6010B	**11.6**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:19	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:14	
Vanadium, Total Recoverable	6020	**1.4**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:14	
Zinc, Total Recoverable	6020	**3**	I	µg/L	10	2	1	11/10/10	11/12/10 14:14	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0940
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12C		
Lab Code:	J1005286-004	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:19	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 14:19	
Barium, Total Recoverable	6020	**17.6**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:19	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:19	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:19	
Chromium, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.3	1	11/10/10	11/12/10 14:19	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:19	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:19	
Iron, Total Recoverable	6010B	**620**		µg/L	100	10	1	11/ 4/10	11/12/10 00:17	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:19	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:35	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:19	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:19	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:19	
Sodium, Total Recoverable	6010B	**5.59**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:21	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:19	
Vanadium, Total Recoverable	6020	**1.3**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:19	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/12/10 14:19	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 1225
Date Received: 11/ 3/10

Sample Name: MW-11A
Lab Code: J1005286-005

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:24	
Arsenic, Total Recoverable	6020	**11.2**		µg/L	0.50	0.40	1	11/10/10	11/12/10 14:24	
Barium, Total Recoverable	6020	**18.8**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:24	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:24	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:24	
Chromium, Total Recoverable	6020	**4.5**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:24	
Cobalt, Total Recoverable	6020	**1**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:24	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:24	
Iron, Total Recoverable	6010B	**13700**		µg/L	100	10	1	11/ 4/10	11/12/10 00:22	
Lead, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:24	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:37	
Nickel, Total Recoverable	6020	**2.0**		µg/L	2.0	0.2	1	11/10/10	11/12/10 14:24	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:24	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:24	
Sodium, Total Recoverable	6010B	**37.7**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:24	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:24	
Vanadium, Total Recoverable	6020	**5.4**		µg/L	5.0	0.5	1	11/10/10	11/12/10 14:24	
Zinc, Total Recoverable	6020	**2**	I	µg/L	10	2	1	11/10/10	11/12/10 14:24	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1155
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-11C		
Lab Code:	J1005286-006	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:29	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 14:29	
Barium, Total Recoverable	6020	**10.6**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:29	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:29	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:29	
Chromium, Total Recoverable	6020	**1.3**	I	µg/L	2.0	0.3	1	11/10/10	11/12/10 14:29	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:29	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:29	
Iron, Total Recoverable	6010B	**510**		µg/L	100	10	1	11/ 4/10	11/12/10 00:26	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:29	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:38	
Nickel, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:29	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:29	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:29	
Sodium, Total Recoverable	6010B	**12.0**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:26	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:29	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:29	
Zinc, Total Recoverable	6020	**3**	I	µg/L	10	2	1	11/10/10	11/12/10 14:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1440
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10A		
Lab Code:	J1005286-007	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:49	
Arsenic, Total Recoverable	6020	**1.53**		µg/L	0.50	0.40	1	11/10/10	11/12/10 14:49	
Barium, Total Recoverable	6020	**3.6**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:49	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 14:49	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 14:49	
Chromium, Total Recoverable	6020	**3.1**		µg/L	2.0	0.3	1	11/10/10	11/12/10 14:49	
Cobalt, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:49	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 14:49	
Iron, Total Recoverable	6010B	**620**		µg/L	100	10	1	11/ 4/10	11/12/10 00:30	
Lead, Total Recoverable	6020	**0.4**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:49	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:40	
Nickel, Total Recoverable	6020	**0.9**	I	µg/L	2.0	0.2	1	11/10/10	11/12/10 14:49	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 14:49	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 14:49	
Sodium, Total Recoverable	6010B	**8.16**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:29	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 14:49	
Vanadium, Total Recoverable	6020	**2.6**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 14:49	
Zinc, Total Recoverable	6020	**2**	I	µg/L	10	2	1	11/10/10	11/12/10 14:49	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/ 2/10 1510
Date Received: 11/ 3/10

Sample Name: MW-10C
Lab Code: J1005286-008

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 15:14	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 15:14	
Barium, Total Recoverable	6020	**20.5**		µg/L	2.0	0.3	1	11/10/10	11/12/10 15:14	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 15:14	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 15:14	
Chromium, Total Recoverable	6020	**1.5**	I	µg/L	2.0	0.3	1	11/10/10	11/12/10 15:14	
Cobalt, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:14	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 15:14	
Iron, Total Recoverable	6010B	**840**		µg/L	100	10	1	11/ 4/10	11/12/10 00:35	
Lead, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:41	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 15:14	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 15:14	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 15:14	
Sodium, Total Recoverable	6010B	**6.88**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:31	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:14	
Vanadium, Total Recoverable	6020	**1.8**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 15:14	
Zinc, Total Recoverable	6020	**4**	I	µg/L	10	2	1	11/10/10	11/12/10 15:14	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	EB-1		
Lab Code:	J1005286-009	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 15:19	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 15:19	
Barium, Total Recoverable	6020	**33.0**		µg/L	2.0	0.3	1	11/10/10	11/12/10 15:19	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 15:19	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 15:19	
Chromium, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.3	1	11/10/10	11/12/10 15:19	
Cobalt, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:19	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 15:19	
Iron, Total Recoverable	6010B	**20**	I	µg/L	100	10	1	11/ 4/10	11/12/10 00:40	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:19	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:43	
Nickel, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.2	1	11/10/10	11/12/10 15:19	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 15:19	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 15:19	
Sodium, Total Recoverable	6010B	**38.2**		mg/L	0.50	0.02	1	11/ 4/10	11/12/10 12:34	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 15:19	
Vanadium, Total Recoverable	6020	**0.8**	I	µg/L	5.0	0.5	1	11/10/10	11/12/10 15:19	
Zinc, Total Recoverable	6020	**7**	I	µg/L	10	2	1	11/10/10	11/12/10 15:19	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005339-04	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Iron, Total Recoverable	6010B	**10**	I	µg/L	100	10	1	11/ 4/10	11/11/10 22:37	
Sodium, Total Recoverable	6010B	**0.20**	I	mg/L	0.50	0.02	1	11/ 4/10	11/11/10 22:35	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005354-01	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 8/10	11/8/10 17:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005415-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/ 9/10	11/10/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005466-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 13:49	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/12/10 13:49	
Barium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/10/10	11/12/10 13:49	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/12/10 13:49	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/12/10 13:49	
Chromium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/10/10	11/12/10 13:49	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 13:49	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/12/10 13:49	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 13:49	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/12/10 13:49	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/12/10 13:49	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/12/10 13:49	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/12/10 13:49	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/10/10	11/12/10 13:49	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/12/10 13:49	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0840
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13A		
Lab Code:	J1005286-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**1.26**		mg/L	0.010	0.004	1	NA	11/5/10 13:41	
Chloride	300.0	**11.0**		mg/L	0.50	0.09	1	NA	11/3/10 16:55	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 16:55	
Solids, Total Dissolved	SM 2540 C	**95**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0815
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-13C		
Lab Code:	J1005286-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.111**		mg/L	0.010	0.004	1	NA	11/5/10 13:42	
Chloride	300.0	**12.0**		mg/L	0.50	0.09	1	NA	11/3/10 17:39	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 17:39	
Solids, Total Dissolved	SM 2540 C	**32**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12A		
Lab Code:	J1005286-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.343**		mg/L	0.010	0.004	1	NA	11/5/10 13:43	
Chloride	300.0	**20.8**		mg/L	0.50	0.09	1	NA	11/3/10 17:54	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 17:54	
Solids, Total Dissolved	SM 2540 C	**69**		mg/L	10	10	1	NA	11/4/10 15:25	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0940
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-12C		
Lab Code:	J1005286-004	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.094**		mg/L	0.010	0.004	1	NA	11/5/10 13:47	
Chloride	300.0	**7.92**		mg/L	0.50	0.09	1	NA	11/3/10 18:09	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 18:09	
Solids, Total Dissolved	SM 2540 C	**27**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1225
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-11A		
Lab Code:	J1005286-005	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**6.71**		mg/L	0.010	0.004	1	NA	11/5/10 13:48	
Chloride	300.0	**53.3**		mg/L	0.50	0.09	1	NA	11/3/10 18:54	
Nitrate as Nitrogen	300.0	**0.19**	I	mg/L	0.20	0.07	1	NA	11/3/10 18:54	
Solids, Total Dissolved	SM 2540 C	**232**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1155
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-11C		
Lab Code:	J1005286-006	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.098**		mg/L	0.010	0.004	1	NA	11/5/10 13:49	
Chloride	300.0	**17.4**		mg/L	0.50	0.09	1	NA	11/3/10 19:09	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 19:09	
Solids, Total Dissolved	SM 2540 C	**63**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1440
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10A		
Lab Code:	J1005286-007	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**7.19**		mg/L	0.010	0.004	1	NA	11/5/10 13:50	
Chloride	300.0	**9.20**		mg/L	0.50	0.09	1	NA	11/3/10 19:24	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 19:24	
Solids, Total Dissolved	SM 2540 C	**93**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1510
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	MW-10C		
Lab Code:	J1005286-008	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.118**		mg/L	0.010	0.004	1	NA	11/5/10 13:52	
Chloride	300.0	**7.99**		mg/L	0.50	0.09	1	NA	11/3/10 19:39	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 19:39	
Solids, Total Dissolved	SM 2540 C	**42**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 3/10
Sample Name:	EB-1		
Lab Code:	J1005286-009	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 13:59	
Chloride	300.0	**89.0**		mg/L	0.50	0.09	1	NA	11/3/10 19:54	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 19:54	
Solids, Total Dissolved	SM 2540 C	**558**		mg/L	10	10	1	NA	11/4/10 15:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005299-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/3/10 15:55	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/3/10 15:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005335-04	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/4/10 15:25	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005375-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 13:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005376-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 13:51	

Client: Environmental Planning Specialists **Service Request:** J1005286
Project: JED SWDF
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Units:** Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
MW-13A	J1005286-001	88	102	94	103
MW-13C	J1005286-002	84	104	95	104
MW-12A	J1005286-003	89	105	96	105
MW-12C	J1005286-004	90	104	96	104
MW-11A	J1005286-005	92	106	96	105
MW-11C	J1005286-006	97	103	100	108
MW-10A	J1005286-007	87	104	94	104
MW-10C	J1005286-008	88	104	94	102
EB-1	J1005286-009	91	107	96	107
Trip Blank	J1005286-010	88	106	94	104
Method Blank	JQ1005619-02	86	103	91	104
Method Blank	JQ1005640-02	103	113	106	119 *
Lab Control Sample	JQ1005619-01	99	100	108	105
Lab Control Sample	JQ1005640-01	91	101	103	108

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/15/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225490

Lab Control Sample
JQ1005619-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.3	20.0	96	85 - 117
1,1,1-Trichloroethane (TCA)	20.6	20.0	103	79 - 124
1,1,2,2-Tetrachloroethane	20.3	20.0	102	83 - 120
1,1,2-Trichloroethane	20.4	20.0	102	86 - 114
1,1-Dichloroethane (1,1-DCA)	20.4	20.0	102	80 - 128
1,1-Dichloroethene (1,1-DCE)	20.7	20.0	103	78 - 130
1,2,3-Trichloropropane	20.1	20.0	100	83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	17.7	20.0	89	62 - 123
1,2-Dibromoethane (EDB)	20.3	20.0	102	88 - 117
1,2-Dichlorobenzene	18.0	20.0	90	84 - 115
1,2-Dichloroethane	18.0	20.0	90	80 - 124
1,2-Dichloropropane	21.3	20.0	107	79 - 123
1,4-Dichlorobenzene	17.9	20.0	90	83 - 113
2-Butanone (MEK)	100	100	100	73 - 127
2-Hexanone	86.8	100	87	71 - 138
4-Methyl-2-pentanone (MIBK)	84.3	100	84	72 - 136
Acetone	98.0	100	98	67 - 133
Acrylonitrile	94.9	100	95	77 - 127
Benzene	21.1	20.0	106	79 - 119
Bromochloromethane	21.8	20.0	109	79 - 129
Bromodichloromethane	20.9	20.0	104	81 - 123
Bromoform	17.2	20.0	86	68 - 129
Bromomethane	25.4	20.0	127	79 - 130
Carbon Disulfide	108	100	108	76 - 138
Carbon Tetrachloride	19.9	20.0	99	81 - 125
Chlorobenzene	20.1	20.0	100	86 - 113
Chloroethane	22.5	20.0	112	74 - 126
Chloroform	20.5	20.0	102	83 - 124
Chloromethane	18.7	20.0	94	67 - 135
cis-1,2-Dichloroethene	19.7	20.0	99	80 - 126
cis-1,3-Dichloropropene	19.6	20.0	98	86 - 123
Dibromochloromethane	19.6	20.0	98	82 - 121

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

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

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/15/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225490

Analyte Name	Lab Control Sample JQ1005619-01 Result	Spike Amount	% Rec	% Rec Limits
Dibromomethane	20.7	20.0	103	83 - 123
Ethylbenzene	19.7	20.0	98	90 - 118
Iodomethane	107	100	107	68 - 134
m,p-Xylenes	38.8	40.0	97	86 - 121
Methylene Chloride	20.5	20.0	102	72 - 124
o-Xylene	19.6	20.0	98	89 - 119
Styrene	19.9	20.0	100	89 - 122
Tetrachloroethene (PCE)	21.6	20.0	108	80 - 121
Toluene	19.4	20.0	97	86 - 117
trans-1,2-Dichloroethene	20.4	20.0	102	77 - 124
trans-1,3-Dichloropropene	19.4	20.0	97	83 - 124
trans-1,4-Dichloro-2-butene	10.7	20.0	53	53 - 143
Trichloroethene (TCE)	21.5	20.0	108	76 - 124
Trichlorofluoromethane	21.9	20.0	109	74 - 134
Vinyl Acetate	83.6	100	84	61 - 148
Vinyl Chloride	21.3	20.0	107	78 - 132

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/16/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225579

Analyte Name	Lab Control Sample JQ1005640-01 Result	Spike Amount	% Rec		% Rec Limits
1,1,1,2-Tetrachloroethane	19.5	20.0	98		85 - 117
1,1,1-Trichloroethane (TCA)	17.3	20.0	87		79 - 124
1,1,2,2-Tetrachloroethane	20.4	20.0	102		83 - 120
1,1,2-Trichloroethane	20.6	20.0	103		86 - 114
1,1-Dichloroethane (1,1-DCA)	17.8	20.0	89		80 - 128
1,1-Dichloroethene (1,1-DCE)	17.6	20.0	88		78 - 130
1,2,3-Trichloropropane	19.9	20.0	99		83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	19.0	20.0	95		62 - 123
1,2-Dibromoethane (EDB)	20.8	20.0	104		88 - 117
1,2-Dichlorobenzene	18.6	20.0	93		84 - 115
1,2-Dichloroethane	15.8	20.0	79	*	80 - 124
1,2-Dichloropropane	18.8	20.0	94		79 - 123
1,4-Dichlorobenzene	18.5	20.0	92		83 - 113
2-Butanone (MEK)	81.5	100	81		73 - 127
2-Hexanone	89.8	100	90		71 - 138
4-Methyl-2-pentanone (MIBK)	89.5	100	90		72 - 136
Acetone	87.3	100	87		67 - 133
Acrylonitrile	86.8	100	87		77 - 127
Benzene	18.2	20.0	91		79 - 119
Bromochloromethane	19.2	20.0	96		79 - 129
Bromodichloromethane	18.2	20.0	91		81 - 123
Bromoform	17.5	20.0	88		68 - 129
Bromomethane	21.3	20.0	107		79 - 130
Carbon Disulfide	91.3	100	91		76 - 138
Carbon Tetrachloride	16.7	20.0	84		81 - 125
Chlorobenzene	19.9	20.0	99		86 - 113
Chloroethane	19.0	20.0	95		74 - 126
Chloroform	18.4	20.0	92		83 - 124
Chloromethane	15.4	20.0	77		67 - 135
cis-1,2-Dichloroethene	17.2	20.0	86		80 - 126
cis-1,3-Dichloropropene	19.4	20.0	97		86 - 123
Dibromochloromethane	19.5	20.0	98		82 - 121

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

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

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/16/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225579

Lab Control Sample
JQ1005640-01

Analyte Name	Result	Spike Amount	% Rec		% Rec Limits
Dibromomethane	18.5	20.0	92		83 - 123
Ethylbenzene	19.3	20.0	96		90 - 118
Iodomethane	93.3	100	93		68 - 134
m,p-Xylenes	38.4	40.0	96		86 - 121
Methylene Chloride	18.1	20.0	90		72 - 124
o-Xylene	19.3	20.0	96		89 - 119
Styrene	19.9	20.0	99		89 - 122
Tetrachloroethene (PCE)	20.4	20.0	102		80 - 121
Toluene	19.0	20.0	95		86 - 117
trans-1,2-Dichloroethene	17.3	20.0	86		77 - 124
trans-1,3-Dichloropropene	18.6	20.0	93		83 - 124
trans-1,4-Dichloro-2-butene	9.85	20.0	49	*	53 - 143
Trichloroethene (TCE)	18.5	20.0	93		76 - 124
Trichlorofluoromethane	18.0	20.0	90		74 - 134
Vinyl Acetate	73.5	100	73		61 - 148
Vinyl Chloride	17.4	20.0	87		78 - 132

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/2/10
Date Received: 11/3/10
Date Analyzed: 11/12/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-10A
Lab Code: J1005286-007

Units: µg/L
Basis: NA

Analytical Method: 6020
Prep Method: Method

		MW-10AMS Matrix Spike JQ1005466-05			MW-10ADMS Duplicate Matrix Spike JQ1005466-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	ND	50.0	50.0	100	50.9	50.0	102	75 - 125	2	20
Arsenic, Total Recoverable	1.53	52.5	50.0	102	52.5	50.0	102	75 - 125	<1	20
Barium, Total Recoverable	3.6	53.8	50.0	100	55.3	50.0	103	75 - 125	3	20
Beryllium, Total Recoverable	ND	46.7	50.0	93	46.1	50.0	92	75 - 125	1	20
Cadmium, Total Recoverable	ND	49.5	50.0	99	49.6	50.0	99	75 - 125	<1	20
Chromium, Total Recoverable	3.1	53.1	50.0	100	54.3	50.0	102	75 - 125	2	20
Cobalt, Total Recoverable	0.2	49.9	50.0	99	50.0	50.0	100	75 - 125	<1	20
Copper, Total Recoverable	ND	49.4	50.0	99	49.6	50.0	99	75 - 125	<1	20
Lead, Total Recoverable	0.4	50.0	50.0	99	49.6	50.0	98	75 - 125	<1	20
Nickel, Total Recoverable	0.9	49.8	50.0	98	50.1	50.0	98	75 - 125	<1	20
Selenium, Total Recoverable	ND	45.8	50.0	92	46.8	50.0	94	75 - 125	2	20
Silver, Total Recoverable	ND	50.3	50.0	101	50.6	50.0	101	75 - 125	<1	20
Thallium, Total Recoverable	ND	49.1	50.0	98	49.2	50.0	98	75 - 125	<1	20
Vanadium, Total Recoverable	2.6	52.7	50.0	100	51.9	50.0	99	75 - 125	1	20
Zinc, Total Recoverable	2	105	100	103	106	100	104	75 - 125	1	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/11/10 - 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005339-01 Result	Spike Amount	% Rec	Duplicate Lab Control Sample JQ1005339-02 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Iron, Total Recoverable	6010B	2050	2000	103	2020	2000	101	80 - 120	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/11/10 - 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

		Lab Control Sample JQ1005339-01			Duplicate Lab Control Sample JQ1005339-02					
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sodium, Total Recoverable	6010B	9.87	10.0	99	10.1	10.0	101	80 - 120	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/ 8/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005354-02 Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	7470A	4.98	5.00	100	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/10/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005415-01 Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	7470A	5.10	5.00	102	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005466-01 Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	50.9	50.0	102	80 - 120
Arsenic, Total Recoverable	6020	52.2	50.0	104	80 - 120
Barium, Total Recoverable	6020	49.9	50.0	100	80 - 120
Beryllium, Total Recoverable	6020	46.7	50.0	93	80 - 120
Cadmium, Total Recoverable	6020	49.4	50.0	99	80 - 120
Chromium, Total Recoverable	6020	50.3	50.0	101	80 - 120
Cobalt, Total Recoverable	6020	50.7	50.0	101	80 - 120
Copper, Total Recoverable	6020	50.4	50.0	101	80 - 120
Lead, Total Recoverable	6020	49.9	50.0	100	80 - 120
Nickel, Total Recoverable	6020	49.4	50.0	99	80 - 120
Selenium, Total Recoverable	6020	51.2	50.0	102	80 - 120
Silver, Total Recoverable	6020	49.9	50.0	100	80 - 120
Thallium, Total Recoverable	6020	50.0	50.0	100	80 - 120
Vanadium, Total Recoverable	6020	49.5	50.0	99	80 - 120
Zinc, Total Recoverable	6020	105	100	105	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/2/10
Sample Matrix:	Water	**Date Received:**	11/3/10
		Date Analyzed:	11/ 3/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	MW-13A	**Units:**	mg/L
Lab Code:	J1005286-001	**Basis:**	NA

Analytical Method: 300.0

		MW-13AMS **Matrix Spike** JQ1005299-03			
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Chloride	11.0	60.4	50.0	99	90 - 110
Nitrate as Nitrogen	ND	4.64	5.00	93	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Collected: 11/2/10
Date Received: 11/3/10
Date Analyzed: 11/ 5/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-10C
Lab Code: J1005286-008

Units: mg/L
Basis: NA

Analytical Method: 350.1

Analyte Name	Sample Result	MW-10CMS Matrix Spike JQ1005376-03 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.118	1.10	1.00	98	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/2/10
Sample Matrix:	Water	**Date Received:**	11/3/10
		Date Analyzed:	11/ 3/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-13A	**Units:**	mg/L
Lab Code:	J1005286-001	**Basis:**	NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-13ADUP Duplicate Sample JQ1005299-04 Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.09	11.0	11.0	11.0	<1	20
Nitrate as Nitrogen	300.0	0.20	0.07	ND U	ND U	NC	NC	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/2/10
Sample Matrix:	Water	**Date Received:**	11/3/10
		Date Analyzed:	11/ 5/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-10C	**Units:**	mg/L
Lab Code:	J1005286-008	**Basis:**	NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-10CDUP Duplicate Sample JQ1005376-04 Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.004	0.118	0.118	0.118	<1	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/ 3/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005299-02 Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	50.9	50.0	102	90 - 110
Nitrate as Nitrogen	300.0	4.80	5.00	96	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/4/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005335-05 Result	Spike Amount	% Rec	Duplicate Lab Control Sample JQ1005335-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	278	300	93	288	300	96	85 - 115	4	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/ 4/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

		Lab Control Sample JQ1005335-07			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Solids, Total Dissolved	SM 2540 C	28.0	30	93	70 - 130

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005375-02 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.982	1.00	98	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

		Lab Control Sample JQ1005376-02			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Ammonia as Nitrogen	350.1	1.01	1.00	101	90 - 110

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

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™

Cooler Receipt Form

Client: EPS Service Request #: J1005286

Project: JED SWDF

Cooler received on 11/3/10 and opened on 11/3/10 by CKB

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

1	Were custody seals on outside of cooler?	(Yes)	No							
	If yes, how many and where?	#: 1	on (Cd)	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)	1.5°								
5	Thermometer ID	T12								
6	Temperature Blank Present?	Yes	No							
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No						
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A						
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap						
		Paper	Styrofoam	Other	N/A					
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A						
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A						
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A						
13	Were all of the preserved bottles received with the appropriate preservative?	(Yes)	No	N/A						
	~~HNO3 pH<2~~ ~~H2SO4 pH<2~~ ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2									
	Preservative additions noted below									
14	Were all samples received within analysis holding times?	(Yes)	No	N/A						
15	Were VOA vials checked for absence of air bubbles? If present, note below	(Yes)	No	N/A						
16	Where did the bottles originate?	(CAS)	Client							

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services™

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J1005286 Date: 11/3/10 Initials: CLB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Ziplock	Misc.	
Container	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	G	P	P	G	G	G	G	G	G	G	P	P	Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-								
-1	3	3				1		1		1											-	-		-				-	-		-	-1
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-11		11/3/10																														-11
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NOTE: VOA pH checks are performed by the analytical area, not sample control

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

www.caslab.com

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

SR # J1005286
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@enplanning.com
Company/Address: EPS 1936 Bruce B Downs Blvd #328 Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and C[redacted]

PRESERVATIVE: 1 0 3 0 2

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	NO_3, Cl, TDS	Metals	REMARKS/ ALTERNATE DESCRIPTION
MW-13A		11-2-10	0840	GW	9	x	x	x	x	x	
MW-13C			0815								
MW-12A			1020								
MW-12C			0940								
MW-11A			1225								
MW-11C			1155								
MW-10A			1440								
MW-10C			1510	GW							
EB-1		11-2-10	1250	DI_{H_2O}	9	x	x	x	x	x	
Trip Blk		10-25-10	0830	DI_{H_2O}	1	1					

1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10306 - JED-1

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
79					
Signature: Joe Terry	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charlie Danziger	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-2-10/1630	Date/Time: 11/3/10 0920	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Columbia Analytical Services™ 9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 17, 2010 Service Request No: J1005286

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 3, 2010. For your reference, these analyses have been assigned our service request number **J1005286**.

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.

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.

Patton for:
Craig Myers
Project Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005286
Project:	JED SWDF	**Date Received:**	11/3/10
Sample Matrix:	Water		

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. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Nine aqueous samples were received for analysis at Columbia Analytical Services on 11/3/10. The samples were received at 5°C within the 0-6°C temperature guidelines.

Extractable Organics by 8011

The surrogate Tetrachloro-m-xylene for sample MW-11A has been flagged with an "*" as being outside of the control limits low due to sample matrix. The sample was re-extracted and reanalyzed and both sets of data have been reported.

No other analytical or quality control problems were encountered during analysis.

Approved by _____ **Date** 11/17/10

00002

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: J1005286

Lab ID	Client ID
J1005286-001	MW-13A
J1005286-002	MW-13C
J1005286-003	MW-12A
J1005286-004	MW-12C
J1005286-005	MW-11A
J1005286-006	MW-11C
J1005286-007	MW-10A
J1005286-008	MW-10C
J1005286-009	EB-1
J1005286-010	Trip Blank

Samples have been subcontracted to the following laboratory(ies). The subcontractor's analytical report is attached:

Columbia Analytical Services, Inc. - ROCHESTER
Rochester, NY

Columbia Analytical Services™

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0840
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 18:58
Sample Name:	MW-13A	**Units:**	µg/L
Lab Code:	J1005286-001	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF782.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	92	73-145	11/11/10 18:58	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0815
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 19:29
Sample Name:	MW-13C	**Units:**	µg/L
Lab Code:	J1005286-002	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF783.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	102	73-145	11/11/10 19:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 19:59
Sample Name:	MW-12A	**Units:**	µg/L
Lab Code:	J1005286-003	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF784.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	88	73-145	11/11/10 19:59	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 0940
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 21:01
Sample Name:	MW-12C	**Units:**	µg/L
Lab Code:	J1005286-004	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF786.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	97	73-145	11/11/10 21:01	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1225
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 21:32
Sample Name:	MW-11A	**Units:**	µg/L
Lab Code:	J1005286-005	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF787.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	58	*	73-145	11/11/10 21:32	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1225
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 18:39
Sample Name:	MW-11A	**Units:**	µg/L
Lab Code:	J1005286-005	**Basis:**	NA
Run Type:	Reanalysis		

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF911.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	88	73-145	11/15/10 18:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1155
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 22:02
Sample Name:	MW-11C	**Units:**	µg/L
Lab Code:	J1005286-006	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF788.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	95	73-145	11/11/10 22:02	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/ 2/10 1440
Sample Matrix:	Water	**Date Received:**	11/ 3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 22:33
Sample Name:	MW-10A	**Units:**	µg/L
Lab Code:	J1005286-007	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF789.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	79	73-145	11/11/10 22:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/2/10 1510
Sample Matrix:	Water	**Date Received:**	11/3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 23:04
Sample Name:	MW-10C	**Units:**	µg/L
Lab Code:	J1005286-008	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF790.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	100	73-145	11/11/10 23:04	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	11/2/10 1250
Sample Matrix:	Water	**Date Received:**	11/3/10
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 23:35
Sample Name:	EB-1	**Units:**	µg/L
Lab Code:	J1005286-009	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224978
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF791.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	108	73-145	11/11/10 23:35	

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/10/10
		Date Analyzed:	11/11/10 09:28
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009972-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	224806
Prep Method:	Method	**Extraction Lot:**	123274
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF763.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	101	73-145	11/11/10 09:28	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005286
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 15:04
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1010213-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF904.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	115	73-145	11/15/10 15:04	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/11/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 123274

Analyte Name	Lab Control Sample RQ1009972-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1009972-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	0.110	0.114	96	0.109	0.114	95	60 - 140	1	30
1,2-Dibromoethane	0.106	0.114	92	0.103	0.114	90	60 - 140	2	30

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005286
Date Analyzed: 11/15/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 123755

	Lab Control Sample RQ1010213-02			Duplicate Lab Control Sample RQ1010213-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.102	0.114	89	0.101	0.114	88	60 - 140	1	30
1,2-Dibromoethane	0.115	0.114	100	0.113	0.114	99	60 - 140	2	30

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

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

Intra-Network Chain of Custody

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

CAS Contact: Craig Myers

Project Name: JED SWDF
Project Number:
Project Manager: Kirk Wills
Company: Environmental Planning Specialists

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	EDB_DBCP 8011
J1005286-001	MW-13A	3	Water	11/2/10	0840	11/3/10	ROCHESTER	II
J1005286-002	MW-13C		Water	11/2/10	0815	11/3/10	ROCHESTER	II
J1005286-003	MW-12A		Water	11/2/10	1020	11/3/10	ROCHESTER	II
J1005286-004	MW-12C		Water	11/2/10	0940	11/3/10	ROCHESTER	II
J1005286-005	MW-11A		Water	11/2/10	1225	11/3/10	ROCHESTER	II
J1005286-006	MW-11C		Water	11/2/10	1155	11/3/10	ROCHESTER	II
J1005286-007	MW-10A		Water	11/2/10	1440	11/3/10	ROCHESTER	II
J1005286-008	MW-10C		Water	11/2/10	1510	11/3/10	ROCHESTER	II
J1005286-009	EB-1		Water	11/2/10	1250	11/3/10	ROCHESTER	II

Special Instructions/Comments

PLEASE SEND RESULTS TO MANDY SULLIVAN

99

Turnaround Requirements

____RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

✓ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 11/17/10

Report Requirements

____ I. Results Only

✓ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y

Invoice Information

PO# J1005286

Bill to

Relinquished By: Shawn Lightly 11/4/10

Received By: Sergey Lipin 11/5/10 1014

Airbill Number: _____

Cooler Receipt And Preservation Check Form

Project/Client CAS - Jacksonville Folder Number _____

Cooler received on 11/5/10 by: (R) **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	YES	NO (N/A)
5.	Were **Ice** or **Ice packs** present?	(YES)	NO
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT

7.	Temperature of cooler(s) upon receipt:	5°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 11/5/10 1020

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / (Sample Bottle)

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: _____

Cooler Breakdown: Date: 11/5/10 Time: 1325 by: DW

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated (N/A)

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3				
≤2	H_2SO_4				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*		

Sample ID	Vol. Added	Lot Added	Final pH

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: client

Other Comments:

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 18, 2010 Service Request No: J1005317

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 4, 2010. For your reference, these analyses have been assigned our service request number **J1005317**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

Page 1 of 92

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005317
Project:	JED SWDF	**Date Received:**	11/4/10
Sample Matrix:	Water		

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

Eight water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/4/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The matrix spike recovery of trans-1,3-Dichloropropene for sample MW-9C was outside the control criterion. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate.

The matrix spike recovery of trans-1,4-Dichloro-2-butene for sample MW-9C was outside the lower control criterion. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Lab Control Sample Exceptions

The spike recovery of trans-1,4-Dichloro-2-butene for Laboratory Control Sample (LCS) JQ1005613-03 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Metals by ICP-MS/ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6020/6010B/7470A. No problems were observed.

Approved by _____ **Date** 11/18/10

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The matrix spike recovery of Chloride for sample MW-6A was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The recovery was not significantly outside of control criteria. No further corrective action was needed.

Subcontracted Analytical Parameters

The samples were delivered to Columbia Analytical Services, Inc. in Rochester, NY on 11/5/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Sample Notes and Discussion

For the EPA Method 8011 analysis, our Rochester lab was not able to meet the Florida GCTL for 1,2-Dibromoethane (EDB) of 0.02ug/L. The Method Detection Limit (MDL) reported for EDB is 0.03ug/L, which is 0.01ug/L above the GCTL. Based on historical data from this site, this analyte has never been detected in any of the samples at or below the Florida GCTL. It is our opinion that the impact on the data is minimal.

Approved by _____ **Date** 11/18/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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: Environmental Planning Specialists **Service Request:** J1005317
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005317-001	MW-6A	11/3/10	13:50
J1005317-002	MW-6C	11/3/10	14:20
J1005317-003	MW-7A	11/3/10	12:50
J1005317-004	MW-7C	11/3/10	12:20
J1005317-005	MW-8A	11/3/10	10:20
J1005317-006	MW-8C	11/3/10	10:50
J1005317-007	MW-9A	11/3/10	08:35
J1005317-008	MW-9C	11/3/10	09:00
J1005317-009	Trip Blank	11/3/10	00:00

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1350
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6A	**Units:**	µg/L
Lab Code:	J1005317-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/13/10 23:28		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/13/10 23:28		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/13/10 23:28		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/13/10 23:28		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/13/10 23:28		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/13/10 23:28		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/13/10 23:28		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/13/10 23:28		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/13/10 23:28		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/13/10 23:28		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/13/10 23:28		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/13/10 23:28		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/13/10 23:28		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/13/10 23:28		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/13/10 23:28		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/13/10 23:28		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/13/10 23:28		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/13/10 23:28		225373	
Benzene	**0.940**	I	1.00	0.210	1	NA	11/13/10 23:28		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/13/10 23:28		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/13/10 23:28		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/13/10 23:28		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/13/10 23:28		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/13/10 23:28		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/13/10 23:28		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/13/10 23:28		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/13/10 23:28		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/13/10 23:28		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/13/10 23:28		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/13/10 23:28		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/13/10 23:28		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/13/10 23:28		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/13/10 23:28		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/13/10 23:28		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/13/10 23:28		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/13/10 23:28		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1350
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6A	**Units:**	µg/L
Lab Code:	J1005317-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/13/10 23:28		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/13/10 23:28		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/13/10 23:28		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/13/10 23:28		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/13/10 23:28		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/13/10 23:28		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/13/10 23:28		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/13/10 23:28		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/13/10 23:28		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/13/10 23:28		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/13/10 23:28		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/13/10 23:28		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	71-122	11/13/10 23:28	
4-Bromofluorobenzene	99	75-120	11/13/10 23:28	
Dibromofluoromethane	95	82-116	11/13/10 23:28	
Toluene-d8	100	88-117	11/13/10 23:28	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1420
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6C	**Units:**	µg/L
Lab Code:	J1005317-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/13/10 23:55		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/13/10 23:55		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/13/10 23:55		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/13/10 23:55		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/13/10 23:55		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/13/10 23:55		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/13/10 23:55		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/13/10 23:55		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/13/10 23:55		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/13/10 23:55		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/13/10 23:55		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/13/10 23:55		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/13/10 23:55		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/13/10 23:55		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/13/10 23:55		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/13/10 23:55		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/13/10 23:55		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/13/10 23:55		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/13/10 23:55		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/13/10 23:55		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/13/10 23:55		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/13/10 23:55		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/13/10 23:55		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/13/10 23:55		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/13/10 23:55		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/13/10 23:55		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/13/10 23:55		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/13/10 23:55		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/13/10 23:55		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/13/10 23:55		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/13/10 23:55		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/13/10 23:55		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/13/10 23:55		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/13/10 23:55		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/13/10 23:55		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/13/10 23:55		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1420
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6C	**Units:**	µg/L
Lab Code:	J1005317-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/13/10 23:55		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/13/10 23:55		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/13/10 23:55		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/13/10 23:55		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/13/10 23:55		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/13/10 23:55		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/13/10 23:55		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/13/10 23:55		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/13/10 23:55		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/13/10 23:55		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/13/10 23:55		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/13/10 23:55		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	71-122	11/13/10 23:55	
4-Bromofluorobenzene	105	75-120	11/13/10 23:55	
Dibromofluoromethane	103	82-116	11/13/10 23:55	
Toluene-d8	105	88-117	11/13/10 23:55	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/ 3/10 1250
Date Received: 11/ 4/10

Sample Name: MW-7A
Lab Code: J1005317-003

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 00:22		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 00:22		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 00:22		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 00:22		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 00:22		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 00:22		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 00:22		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 00:22		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 00:22		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 00:22		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 00:22		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 00:22		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 00:22		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 00:22		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 00:22		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 00:22		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 00:22		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 00:22		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/14/10 00:22		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 00:22		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 00:22		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 00:22		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 00:22		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 00:22		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 00:22		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 00:22		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 00:22		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 00:22		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 00:22		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 00:22		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 00:22		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 00:22		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 00:22		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 00:22		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 00:22		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 00:22		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7A	**Units:**	µg/L
Lab Code:	J1005317-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 00:22		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 00:22		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 00:22		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 00:22		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 00:22		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 00:22		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 00:22		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 00:22		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 00:22		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 00:22		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 00:22		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 00:22		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	71-122	11/14/10 00:22	
4-Bromofluorobenzene	103	75-120	11/14/10 00:22	
Dibromofluoromethane	102	82-116	11/14/10 00:22	
Toluene-d8	108	88-117	11/14/10 00:22	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/ 3/10 1220
Date Received: 11/ 4/10

Sample Name: MW-7C
Lab Code: J1005317-004

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 00:50		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 00:50		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 00:50		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 00:50		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 00:50		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 00:50		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 00:50		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 00:50		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 00:50		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 00:50		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 00:50		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 00:50		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 00:50		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 00:50		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 00:50		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 00:50		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 00:50		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 00:50		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/14/10 00:50		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 00:50		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 00:50		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 00:50		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 00:50		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 00:50		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 00:50		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 00:50		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 00:50		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 00:50		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 00:50		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 00:50		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 00:50		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 00:50		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 00:50		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 00:50		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 00:50		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 00:50		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1220
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7C	**Units:**	µg/L
Lab Code:	J1005317-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 00:50		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 00:50		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 00:50		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 00:50		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 00:50		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 00:50		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 00:50		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 00:50		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 00:50		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 00:50		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 00:50		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 00:50		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	71-122	11/14/10 00:50	
4-Bromofluorobenzene	104	75-120	11/14/10 00:50	
Dibromofluoromethane	102	82-116	11/14/10 00:50	
Toluene-d8	105	88-117	11/14/10 00:50	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8A	**Units:**	µg/L
Lab Code:	J1005317-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 01:18		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 01:18		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 01:18		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 01:18		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 01:18		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 01:18		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 01:18		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 01:18		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 01:18		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 01:18		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 01:18		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 01:18		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 01:18		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 01:18		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 01:18		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 01:18		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 01:18		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 01:18		225373	
Benzene	**1.30**		1.00	0.210	1	NA	11/14/10 01:18		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 01:18		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 01:18		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 01:18		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 01:18		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 01:18		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 01:18		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 01:18		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 01:18		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 01:18		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 01:18		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 01:18		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 01:18		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 01:18		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 01:18		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 01:18		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 01:18		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 01:18		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8A	**Units:**	µg/L
Lab Code:	J1005317-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 01:18		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 01:18		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 01:18		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 01:18		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 01:18		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 01:18		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 01:18		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 01:18		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 01:18		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 01:18		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 01:18		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 01:18		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	71-122	11/14/10 01:18	
4-Bromofluorobenzene	104	75-120	11/14/10 01:18	
Dibromofluoromethane	104	82-116	11/14/10 01:18	
Toluene-d8	104	88-117	11/14/10 01:18	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1050
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8C	**Units:**	µg/L
Lab Code:	J1005317-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 01:46		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 01:46		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 01:46		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 01:46		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 01:46		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 01:46		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 01:46		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 01:46		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 01:46		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 01:46		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 01:46		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 01:46		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 01:46		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 01:46		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 01:46		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 01:46		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 01:46		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 01:46		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/14/10 01:46		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 01:46		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 01:46		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 01:46		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 01:46		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 01:46		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 01:46		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 01:46		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 01:46		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 01:46		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 01:46		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 01:46		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 01:46		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 01:46		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 01:46		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 01:46		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 01:46		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 01:46		225373	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1050
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8C	**Units:**	µg/L
Lab Code:	J1005317-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 01:46		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 01:46		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 01:46		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 01:46		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 01:46		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 01:46		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 01:46		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 01:46		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 01:46		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 01:46		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 01:46		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 01:46		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	71-122	11/14/10 01:46	
4-Bromofluorobenzene	103	75-120	11/14/10 01:46	
Dibromofluoromethane	105	82-116	11/14/10 01:46	
Toluene-d8	106	88-117	11/14/10 01:46	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/ 3/10 0835
Date Received: 11/ 4/10

Sample Name: MW-9A
Lab Code: J1005317-007

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 02:13		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 02:13		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 02:13		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 02:13		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 02:13		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 02:13		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 02:13		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 02:13		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 02:13		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 02:13		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 02:13		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 02:13		225373	
1,4-Dichlorobenzene	**1.58**		1.00	0.100	1	NA	11/14/10 02:13		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 02:13		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 02:13		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 02:13		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 02:13		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 02:13		225373	
Benzene	**11.5**		1.00	0.210	1	NA	11/14/10 02:13		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 02:13		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 02:13		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 02:13		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 02:13		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 02:13		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 02:13		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 02:13		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 02:13		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 02:13		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 02:13		225373	
cis-1,2-Dichloroethene	**1.26**		1.00	0.360	1	NA	11/14/10 02:13		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 02:13		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 02:13		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 02:13		225373	
Ethylbenzene	**1.69**		1.00	0.210	1	NA	11/14/10 02:13		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 02:13		225373	
m,p-Xylenes	**7.97**		2.00	0.410	1	NA	11/14/10 02:13		225373	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0835
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9A	**Units:**	µg/L
Lab Code:	J1005317-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 02:13		225373	
o-Xylene	**2.81**		1.00	0.140	1	NA	11/14/10 02:13		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 02:13		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 02:13		225373	
Toluene	**1.31**		1.00	0.190	1	NA	11/14/10 02:13		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 02:13		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 02:13		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 02:13		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 02:13		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 02:13		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 02:13		225373	
Vinyl Chloride	**1.45**		1.00	0.220	1	NA	11/14/10 02:13		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	71-122	11/14/10 02:13	
4-Bromofluorobenzene	105	75-120	11/14/10 02:13	
Dibromofluoromethane	104	82-116	11/14/10 02:13	
Toluene-d8	106	88-117	11/14/10 02:13	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0900
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9C	**Units:**	µg/L
Lab Code:	J1005317-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 02:41		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 02:41		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 02:41		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 02:41		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 02:41		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 02:41		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 02:41		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 02:41		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 02:41		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 02:41		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 02:41		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 02:41		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 02:41		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 02:41		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 02:41		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 02:41		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 02:41		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 02:41		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/14/10 02:41		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 02:41		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 02:41		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 02:41		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 02:41		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 02:41		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 02:41		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 02:41		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 02:41		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 02:41		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 02:41		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 02:41		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 02:41		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 02:41		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 02:41		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 02:41		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 02:41		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 02:41		225373	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0900
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9C	**Units:**	µg/L
Lab Code:	J1005317-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 02:41		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 02:41		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 02:41		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 02:41		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 02:41		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 02:41		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 02:41		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 02:41		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 02:41		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 02:41		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 02:41		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 02:41		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	95	71-122	11/14/10 02:41	
4-Bromofluorobenzene	105	75-120	11/14/10 02:41	
Dibromofluoromethane	105	82-116	11/14/10 02:41	
Toluene-d8	108	88-117	11/14/10 02:41	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0000
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	J1005317-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/14/10 03:08		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/14/10 03:08		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/14/10 03:08		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/14/10 03:08		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/14/10 03:08		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/14/10 03:08		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/14/10 03:08		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/14/10 03:08		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/14/10 03:08		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/14/10 03:08		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/14/10 03:08		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/14/10 03:08		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/14/10 03:08		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/14/10 03:08		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/14/10 03:08		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/14/10 03:08		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/14/10 03:08		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/14/10 03:08		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/14/10 03:08		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/14/10 03:08		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/14/10 03:08		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/14/10 03:08		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/14/10 03:08		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/14/10 03:08		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/14/10 03:08		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/14/10 03:08		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/14/10 03:08		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/14/10 03:08		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/14/10 03:08		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/14/10 03:08		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/14/10 03:08		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/14/10 03:08		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/14/10 03:08		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/14/10 03:08		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/14/10 03:08		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/14/10 03:08		225373	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0000
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	J1005317-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/14/10 03:08		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/14/10 03:08		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/14/10 03:08		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/14/10 03:08		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/14/10 03:08		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/14/10 03:08		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/14/10 03:08		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/14/10 03:08		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/14/10 03:08		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/14/10 03:08		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/14/10 03:08		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/14/10 03:08		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	71-122	11/14/10 03:08	
4-Bromofluorobenzene	105	75-120	11/14/10 03:08	
Dibromofluoromethane	104	82-116	11/14/10 03:08	
Toluene-d8	107	88-117	11/14/10 03:08	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005613-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/13/10 18:52		225373	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/13/10 18:52		225373	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/13/10 18:52		225373	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/13/10 18:52		225373	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/13/10 18:52		225373	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/13/10 18:52		225373	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/13/10 18:52		225373	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/13/10 18:52		225373	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/13/10 18:52		225373	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/13/10 18:52		225373	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/13/10 18:52		225373	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/13/10 18:52		225373	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/13/10 18:52		225373	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/13/10 18:52		225373	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/13/10 18:52		225373	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/13/10 18:52		225373	
Acetone	ND	U	50.0	5.60	1	NA	11/13/10 18:52		225373	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/13/10 18:52		225373	
Benzene	ND	U	1.00	0.210	1	NA	11/13/10 18:52		225373	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/13/10 18:52		225373	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/13/10 18:52		225373	
Bromoform	ND	U	2.00	0.420	1	NA	11/13/10 18:52		225373	
Bromomethane	ND	U	1.00	0.220	1	NA	11/13/10 18:52		225373	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/13/10 18:52		225373	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/13/10 18:52		225373	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/13/10 18:52		225373	
Chloroethane	ND	U	5.00	0.220	1	NA	11/13/10 18:52		225373	
Chloroform	ND	U	1.00	0.350	1	NA	11/13/10 18:52		225373	
Chloromethane	ND	U	1.00	0.110	1	NA	11/13/10 18:52		225373	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/13/10 18:52		225373	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/13/10 18:52		225373	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/13/10 18:52		225373	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/13/10 18:52		225373	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/13/10 18:52		225373	
Iodomethane	ND	U	5.00	2.68	1	NA	11/13/10 18:52		225373	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/13/10 18:52		225373	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005613-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 225373

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/13/10 18:52		225373	
o-Xylene	ND	U	1.00	0.140	1	NA	11/13/10 18:52		225373	
Styrene	ND	U	1.00	0.291	1	NA	11/13/10 18:52		225373	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/13/10 18:52		225373	
Toluene	ND	U	1.00	0.190	1	NA	11/13/10 18:52		225373	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/13/10 18:52		225373	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/13/10 18:52		225373	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/13/10 18:52		225373	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/13/10 18:52		225373	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/13/10 18:52		225373	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/13/10 18:52		225373	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/13/10 18:52		225373	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	83	71-122	11/13/10 18:52	
4-Bromofluorobenzene	96	75-120	11/13/10 18:52	
Dibromofluoromethane	90	82-116	11/13/10 18:52	
Toluene-d8	99	88-117	11/13/10 18:52	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1350
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6A		
Lab Code:	J1005317-001	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:15	
Arsenic, Total Recoverable	6020	**0.83**		µg/L	0.50	0.40	1	11/10/10	11/13/10 05:15	
Barium, Total Recoverable	6020	**16.7**		µg/L	2.0	0.3	1	11/10/10	11/13/10 05:15	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 05:15	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 05:15	
Chromium, Total Recoverable	6020	**0.9**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 05:15	
Cobalt, Total Recoverable	6020	**1.2**		µg/L	1.0	0.1	1	11/10/10	11/13/10 05:15	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 05:15	
Iron, Total Recoverable	6010B	**16900**		µg/L	100	10	1	11/ 8/10	11/12/10 02:04	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:15	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:37	
Nickel, Total Recoverable	6020	**1**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:15	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 05:15	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 05:15	
Sodium, Total Recoverable	6010B	**25.4**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 13:21	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:15	
Vanadium, Total Recoverable	6020	**1.6**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 05:15	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 05:15	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/ 3/10 1420
Date Received: 11/ 4/10

Sample Name: MW-6C
Lab Code: J1005317-002

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:20	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 05:20	
Barium, Total Recoverable	6020	**25.0**		µg/L	2.0	0.3	1	11/10/10	11/13/10 05:20	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 05:20	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 05:20	
Chromium, Total Recoverable	6020	**1**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 05:20	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:20	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 05:20	
Iron, Total Recoverable	6010B	**770**		µg/L	100	10	1	11/ 8/10	11/12/10 02:17	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:20	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:38	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:20	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 05:20	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 05:20	
Sodium, Total Recoverable	6010B	**5.08**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:15	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:20	
Vanadium, Total Recoverable	6020	**1.4**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 05:20	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 05:20	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7A		
Lab Code:	J1005317-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:00	
Arsenic, Total Recoverable	6020	**1.31**		µg/L	0.50	0.40	1	11/10/10	11/13/10 06:00	
Barium, Total Recoverable	6020	**13.4**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:00	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:00	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:00	
Chromium, Total Recoverable	6020	**1.6**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 06:00	
Cobalt, Total Recoverable	6020	**1.7**		µg/L	1.0	0.1	1	11/10/10	11/13/10 06:00	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:00	
Iron, Total Recoverable	6010B	**9140**		µg/L	100	10	1	11/ 8/10	11/12/10 02:21	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:00	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:39	
Nickel, Total Recoverable	6020	**0.7**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:00	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:00	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:00	
Sodium, Total Recoverable	6010B	**13.6**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:20	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:00	
Vanadium, Total Recoverable	6020	**1.9**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:00	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 06:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1220
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7C		
Lab Code:	J1005317-004	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:05	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 06:05	
Barium, Total Recoverable	6020	**26.5**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:05	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:05	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:05	
Chromium, Total Recoverable	6020	**1.0**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 06:05	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:05	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:05	
Iron, Total Recoverable	6010B	**720**		µg/L	100	10	1	11/ 8/10	11/12/10 02:26	
Lead, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:05	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:40	
Nickel, Total Recoverable	6020	**0.4**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:05	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:05	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:05	
Sodium, Total Recoverable	6010B	**6.22**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:24	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:05	
Vanadium, Total Recoverable	6020	**2.4**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:05	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 06:05	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8A		
Lab Code:	J1005317-005	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:10	
Arsenic, Total Recoverable	6020	**0.54**		µg/L	0.50	0.40	1	11/10/10	11/13/10 06:10	
Barium, Total Recoverable	6020	**43.3**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:10	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:10	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:10	
Chromium, Total Recoverable	6020	**1.7**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 06:10	
Cobalt, Total Recoverable	6020	**2.1**		µg/L	1.0	0.1	1	11/10/10	11/13/10 06:10	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:10	
Iron, Total Recoverable	6010B	**3650**		µg/L	100	10	1	11/ 8/10	11/12/10 02:30	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:10	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:41	
Nickel, Total Recoverable	6020	**4.4**		µg/L	2.0	0.2	1	11/10/10	11/13/10 06:10	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:10	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:10	
Sodium, Total Recoverable	6010B	**31.2**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:29	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:10	
Vanadium, Total Recoverable	6020	**2.3**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:10	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 06:10	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/ 3/10 1050
Date Received: 11/ 4/10

Sample Name: MW-8C
Lab Code: J1005317-006

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:15	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 06:15	
Barium, Total Recoverable	6020	**15.4**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:15	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:15	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:15	
Chromium, Total Recoverable	6020	**0.9**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 06:15	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:15	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:15	
Iron, Total Recoverable	6010B	**970**		µg/L	100	10	1	11/ 8/10	11/12/10 02:52	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:15	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:42	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:15	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:15	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:15	
Sodium, Total Recoverable	6010B	**6.56**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:51	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:15	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:15	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 06:15	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0835
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9A		
Lab Code:	J1005317-007	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:20	
Arsenic, Total Recoverable	6020	**1.69**		µg/L	0.50	0.40	1	11/10/10	11/13/10 06:20	
Barium, Total Recoverable	6020	**3.8**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:20	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:20	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:20	
Chromium, Total Recoverable	6020	**3.6**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:20	
Cobalt, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:20	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:20	
Iron, Total Recoverable	6010B	**1050**		µg/L	100	10	1	11/ 8/10	11/12/10 02:56	
Lead, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:20	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:43	
Nickel, Total Recoverable	6020	**1.7**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:20	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:20	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:20	
Sodium, Total Recoverable	6010B	**13.9**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 02:55	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:20	
Vanadium, Total Recoverable	6020	**3.7**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:20	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 06:20	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0900
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9C		
Lab Code:	J1005317-008	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 06:25	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 06:25	
Barium, Total Recoverable	6020	**32.3**		µg/L	2.0	0.3	1	11/10/10	11/13/10 06:25	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 06:25	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 06:25	
Chromium, Total Recoverable	6020	**1.4**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 06:25	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:25	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 06:25	
Iron, Total Recoverable	6010B	**670**		µg/L	100	10	1	11/ 8/10	11/12/10 03:10	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:25	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:47	
Nickel, Total Recoverable	6020	**4.9**		µg/L	2.0	0.2	1	11/10/10	11/13/10 06:25	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 06:25	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 06:25	
Sodium, Total Recoverable	6010B	**6.81**		mg/L	0.50	0.02	1	11/ 8/10	11/12/10 03:08	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 06:25	
Vanadium, Total Recoverable	6020	**2.6**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 06:25	
Zinc, Total Recoverable	6020	**2**	I	µg/L	10	2	1	11/10/10	11/13/10 06:25	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005365-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Iron, Total Recoverable	6010B	ND	U	µg/L	100	10	1	11/ 8/10	11/12/10 01:31	
Sodium, Total Recoverable	6010B	**0.24**	I	mg/L	0.50	0.02	1	11/ 8/10	11/12/10 01:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005417-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 10:33	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005469-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:00	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 05:00	
Barium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/10/10	11/13/10 05:00	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 05:00	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 05:00	
Chromium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/10/10	11/13/10 05:00	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:00	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 05:00	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:00	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 05:00	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 05:00	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 05:00	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 05:00	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/10/10	11/13/10 05:00	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 05:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1350
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6A		
Lab Code:	J1005317-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**3.24**		mg/L	0.010	0.004	1	NA	11/5/10 14:25	
Chloride	300.0	**73.1**		mg/L	0.50	0.09	1	NA	11/4/10 16:29	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 16:29	
Solids, Total Dissolved	SM 2540 C	**115**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1420
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-6C		
Lab Code:	J1005317-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.134**		mg/L	0.010	0.004	1	NA	11/5/10 14:26	
Chloride	300.0	**5.67**		mg/L	0.50	0.09	1	NA	11/4/10 18:29	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 18:29	
Solids, Total Dissolved	SM 2540 C	**47**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7A		
Lab Code:	J1005317-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**4.51**		mg/L	0.010	0.004	1	NA	11/5/10 14:27	
Chloride	300.0	**28.2**		mg/L	0.50	0.09	1	NA	11/4/10 18:44	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 18:44	
Solids, Total Dissolved	SM 2540 C	**80**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1220
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-7C		
Lab Code:	J1005317-004	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.088**		mg/L	0.010	0.004	1	NA	11/5/10 14:30	
Chloride	300.0	**7.67**		mg/L	0.50	0.09	1	NA	11/4/10 18:59	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 18:59	
Solids, Total Dissolved	SM 2540 C	**48**		mg/L	10	10	1	NA	11/5/10 18:10	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8A		
Lab Code:	J1005317-005	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**6.50**		mg/L	0.010	0.004	1	NA	11/5/10 14:32	
Chloride	300.0	**90.8**		mg/L	0.50	0.09	1	NA	11/4/10 19:14	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 19:14	
Solids, Total Dissolved	SM 2540 C	**165**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1050
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-8C		
Lab Code:	J1005317-006	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.129**		mg/L	0.010	0.004	1	NA	11/5/10 14:33	
Chloride	300.0	**10.4**		mg/L	0.50	0.09	1	NA	11/4/10 19:59	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 19:59	
Solids, Total Dissolved	SM 2540 C	**44**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0835
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9A		
Lab Code:	J1005317-007	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**13.2**		mg/L	0.050	0.020	5	NA	11/5/10 15:17	
Chloride	300.0	**30.7**		mg/L	0.50	0.09	1	NA	11/4/10 20:13	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 20:13	
Solids, Total Dissolved	SM 2540 C	**159**		mg/L	10	10	1	NA	11/5/10 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0900
Sample Matrix:	Water	**Date Received:**	11/ 4/10
Sample Name:	MW-9C		
Lab Code:	J1005317-008	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.226**		mg/L	0.010	0.004	1	NA	11/5/10 15:18	
Chloride	300.0	**11.2**		mg/L	0.50	0.09	1	NA	11/4/10 20:28	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 20:28	
Solids, Total Dissolved	SM 2540 C	**83**		mg/L	10	10	1	NA	11/5/10 18:10	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005348-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/4/10 15:30	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/4/10 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005376-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 13:51	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005377-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/5/10 14:28	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005386-02	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/5/10 18:10	

Client: Environmental Planning Specialists **Service Request:** J1005317
Project: JED SWDF
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Units:** Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
MW-6A	J1005317-001	88	99	95	100
MW-6C	J1005317-002	94	105	103	105
MW-7A	J1005317-003	96	103	102	108
MW-7C	J1005317-004	96	104	102	105
MW-8A	J1005317-005	94	104	104	104
MW-8C	J1005317-006	98	103	105	106
MW-9A	J1005317-007	94	105	104	106
MW-9C	J1005317-008	95	105	105	108
Trip Blank	J1005317-009	96	105	104	107
Method Blank	JQ1005613-04	83	96	90	99
Lab Control Sample	JQ1005613-03	92	104	103	107
MW-9CMS	JQ1005613-01	89	90	92	94
MW-9CDMS	JQ1005613-02	93	100	101	104

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/14/10

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-9C
Lab Code: J1005317-008

Units: µg/L
Basis: NA

Analytical Method: 8260B

Analyte Name	Sample Result	MW-9CMS Matrix Spike JQ1005613-01 Result	Spike Amount	% Rec	MW-9CDMS Duplicate Matrix Spike JQ1005613-02 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	19.3	20.0	97	19.6	20.0	98	82 - 118	1	30
1,1,1-Trichloroethane (TCA)	ND	20.2	20.0	101	20.6	20.0	103	76 - 130	2	30
1,1,2,2-Tetrachloroethane	ND	21.6	20.0	108	21.4	20.0	107	72 - 127	<1	30
1,1,2-Trichloroethane	ND	22.8	20.0	114	22.2	20.0	111	77 - 124	3	30
1,1-Dichloroethane (1,1-DCA)	ND	20.4	20.0	102	20.8	20.0	104	78 - 125	2	30
1,1-Dichloroethene (1,1-DCE)	ND	20.5	20.0	102	21.3	20.0	107	79 - 133	4	30
1,2,3-Trichloropropane	ND	21.9	20.0	109	21.0	20.0	105	76 - 123	4	30
1,2-Dibromo-3-chloropropane (DBC	ND	17.9	20.0	89	17.5	20.0	87	54 - 120	2	30.
1,2-Dibromoethane (EDB)	ND	22.1	20.0	110	21.9	20.0	109	81 - 119	<1	30
1,2-Dichlorobenzene	ND	19.0	20.0	95	18.9	20.0	95	77 - 116	<1	30
1,2-Dichloroethane	ND	18.9	20.0	94	18.2	20.0	91	74 - 126	3	30
1,2-Dichloropropane	ND	21.3	20.0	106	20.9	20.0	105	77 - 122	2	30
1,4-Dichlorobenzene	ND	18.8	20.0	94	19.5	20.0	98	75 - 115	3	30
2-Butanone (MEK)	ND	86.5	100	86	86.7	100	87	63 - 134	<1	30
2-Hexanone	ND	92.9	100	93	92.6	100	93	63 - 142	<1	30
4-Methyl-2-pentanone (MIBK)	ND	93.6	100	94	93.3	100	93	65 - 138	<1	30
Acetone	ND	98.3	100	98	93.6	100	94	56 - 139	5	30
Acrylonitrile	ND	98.2	100	98	97.1	100	97	68 - 131	1	30
Benzene	ND	21.0	20.0	105	21.2	20.0	106	78 - 123	<1	30
Bromochloromethane	ND	21.8	20.0	109	22.3	20.0	112	80 - 124	2	30
Bromodichloromethane	ND	20.0	20.0	100	20.1	20.0	101	79 - 125	<1	30
Bromoform	ND	15.1	20.0	75	14.2	20.0	71	70 - 129	6	30
Bromomethane	ND	23.2	20.0	116	23.1	20.0	115	78 - 129	<1	30
Carbon Disulfide	ND	105	100	105	106	100	106	71 - 146	<1	30
Carbon Tetrachloride	ND	16.9	20.0	85	17.3	20.0	87	76 - 131	2	30
Chlorobenzene	ND	21.3	20.0	107	21.6	20.0	108	81 - 120	1	30
Chloroethane	ND	23.0	20.0	115	23.2	20.0	116	76 - 129	<1	30

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/14/10

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-9C
Lab Code: J1005317-008

Units: µg/L
Basis: NA

Analytical Method: 8260B

		MW-9CMS Matrix Spike JQ1005613-01				MW-9CDMS Duplicate Matrix Spike JQ1005613-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
Chloroform	ND	21.2	20.0	106		20.3	20.0	101		81 - 124	4	30
Chloromethane	ND	18.3	20.0	92		18.7	20.0	94		73 - 139	2	30
cis-1,2-Dichloroethene	ND	20.2	20.0	101		20.2	20.0	101		75 - 127	<1	30
cis-1,3-Dichloropropene	ND	16.8	20.0	84		16.7	20.0	84		77 - 117	<1	30
Dibromochloromethane	ND	18.9	20.0	95		18.8	20.0	94		78 - 124	<1	30
Dibromomethane	ND	21.4	20.0	107		21.4	20.0	107		78 - 124	<1	30
Ethylbenzene	ND	20.5	20.0	103		20.9	20.0	104		87 - 122	2	30
Iodomethane	ND	106	100	106		107	100	107		74 - 134	<1	30
m,p-Xylenes	ND	40.8	40.0	102		40.7	40.0	102		82 - 120	<1	30
Methylene Chloride	ND	21.3	20.0	106		21.3	20.0	106		75 - 123	<1	30
o-Xylene	ND	20.7	20.0	104		20.3	20.0	102		85 - 119	2	30
Styrene	ND	18.8	20.0	94		19.2	20.0	96		84 - 126	2	30
Tetrachloroethene (PCE)	ND	21.8	20.0	109		22.3	20.0	112		79 - 123	3	30
Toluene	ND	20.6	20.0	103		20.6	20.0	103		86 - 119	<1	30
trans-1,2-Dichloroethene	ND	20.6	20.0	103		20.8	20.0	104		76 - 125	<1	30
trans-1,3-Dichloropropene	ND	14.1	20.0	71	*	13.6	20.0	68	*	75 - 120	4	30
trans-1,4-Dichloro-2-butene	ND	ND	20.0	0	*	ND	20.0	0	*	22 - 135	<1	30
Trichloroethene (TCE)	ND	21.1	20.0	106		21.3	20.0	107		77 - 128	<1	30
Trichlorofluoromethane	ND	20.7	20.0	104		21.0	20.0	105		81 - 133	1	30
Vinyl Acetate	ND	73.3	100	73		73.1	100	73		43 - 163	<1	30
Vinyl Chloride	ND	21.3	20.0	107		21.7	20.0	109		78 - 141	2	30

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/13/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225373

Lab Control Sample
JQ1005613-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.8	20.0	99	85 - 117
1,1,1-Trichloroethane (TCA)	20.3	20.0	102	79 - 124
1,1,2,2-Tetrachloroethane	20.8	20.0	104	83 - 120
1,1,2-Trichloroethane	21.6	20.0	108	86 - 114
1,1-Dichloroethane (1,1-DCA)	20.5	20.0	102	80 - 128
1,1-Dichloroethene (1,1-DCE)	21.9	20.0	109	78 - 130
1,2,3-Trichloropropane	20.3	20.0	101	83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	17.6	20.0	88	62 - 123
1,2-Dibromoethane (EDB)	21.3	20.0	106	88 - 117
1,2-Dichlorobenzene	19.1	20.0	96	84 - 115
1,2-Dichloroethane	18.0	20.0	90	80 - 124
1,2-Dichloropropane	20.7	20.0	104	79 - 123
1,4-Dichlorobenzene	19.3	20.0	97	83 - 113
2-Butanone (MEK)	99.3	100	99	73 - 127
2-Hexanone	89.7	100	90	71 - 138
4-Methyl-2-pentanone (MIBK)	88.8	100	89	72 - 136
Acetone	101	100	101	67 - 133
Acrylonitrile	94.8	100	95	77 - 127
Benzene	20.7	20.0	104	79 - 119
Bromochloromethane	21.4	20.0	107	79 - 129
Bromodichloromethane	19.6	20.0	98	81 - 123
Bromoform	17.2	20.0	86	68 - 129
Bromomethane	24.9	20.0	125	79 - 130
Carbon Disulfide	109	100	109	76 - 138
Carbon Tetrachloride	18.7	20.0	93	81 - 125
Chlorobenzene	21.4	20.0	107	86 - 113
Chloroethane	22.9	20.0	114	74 - 126
Chloroform	21.0	20.0	105	83 - 124
Chloromethane	19.2	20.0	96	67 - 135
cis-1,2-Dichloroethene	19.6	20.0	98	80 - 126
cis-1,3-Dichloropropene	20.4	20.0	102	86 - 123
Dibromochloromethane	20.0	20.0	100	82 - 121

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/13/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 225373

Lab Control Sample
JQ1005613-03

Analyte Name	Result	Spike Amount	% Rec		% Rec Limits
Dibromomethane	20.7	20.0	104		83 - 123
Ethylbenzene	21.1	20.0	106		90 - 118
Iodomethane	106	100	106		68 - 134
m,p-Xylenes	41.8	40.0	104		86 - 121
Methylene Chloride	20.5	20.0	103		72 - 124
o-Xylene	20.6	20.0	103		89 - 119
Styrene	20.7	20.0	104		89 - 122
Tetrachloroethene (PCE)	22.6	20.0	113		80 - 121
Toluene	20.8	20.0	104		86 - 117
trans-1,2-Dichloroethene	20.0	20.0	100		77 - 124
trans-1,3-Dichloropropene	19.4	20.0	97		83 - 124
trans-1,4-Dichloro-2-butene	9.13	20.0	46	*	53 - 143
Trichloroethene (TCE)	21.9	20.0	109		76 - 124
Trichlorofluoromethane	21.9	20.0	109		74 - 134
Vinyl Acetate	79.7	100	80		61 - 148
Vinyl Chloride	21.9	20.0	109		78 - 132

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/13/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-6C
Lab Code: J1005317-002

Units: µg/L
Basis: NA

Analytical Method: 6020
Prep Method: EPA 3020A

		MW-6CMS Matrix Spike JQ1005469-03			MW-6CDMS Duplicate Matrix Spike JQ1005469-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	ND	50.7	50.0	101	51.2	50.0	102	75 - 125	1	20
Arsenic, Total Recoverable	ND	50.7	50.0	101	49.4	50.0	99	75 - 125	2	20
Barium, Total Recoverable	25.0	75.0	50.0	100	75.1	50.0	100	75 - 125	<1	20
Beryllium, Total Recoverable	ND	49.1	50.0	98	50.1	50.0	100	75 - 125	2	20
Cadmium, Total Recoverable	ND	50.7	50.0	101	50.4	50.0	101	75 - 125	<1	20
Chromium, Total Recoverable	1	50.6	50.0	99	50.0	50.0	98	75 - 125	1	20
Cobalt, Total Recoverable	ND	49.6	50.0	99	48.7	50.0	97	75 - 125	2	20
Copper, Total Recoverable	ND	50.1	50.0	100	49.2	50.0	98	75 - 125	2	20
Lead, Total Recoverable	ND	50.2	50.0	100	50.2	50.0	100	75 - 125	<1	20
Nickel, Total Recoverable	ND	49.4	50.0	99	48.5	50.0	97	75 - 125	2	20
Selenium, Total Recoverable	ND	51.0	50.0	102	49.8	50.0	100	75 - 125	2	20
Silver, Total Recoverable	ND	51.3	50.0	103	50.8	50.0	102	75 - 125	<1	20
Thallium, Total Recoverable	ND	49.7	50.0	99	50.0	50.0	100	75 - 125	<1	20
Vanadium, Total Recoverable	1.4	51.3	50.0	100	49.8	50.0	97	75 - 125	3	20
Zinc, Total Recoverable	ND	103	100	103	102	100	102	75 - 125	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/12/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-8A
Lab Code: J1005317-005

Units: mg/L
Basis: NA

Analytical Method: 6010B
Prep Method: EPA 3010A

		MW-8AMS Matrix Spike JQ1005365-03			MW-8ADMS Duplicate Matrix Spike JQ1005365-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sodium, Total Recoverable	31.2	40.1	10.0	89	41.0	10.0	98	75 - 125	2	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/12/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-8A
Lab Code: J1005317-005

Units: µg/L
Basis: NA

Analytical Method: 6010B
Prep Method: EPA 3010A

		MW-8AMS Matrix Spike JQ1005365-03			MW-8ADMS Duplicate Matrix Spike JQ1005365-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Total Recoverable	3650	5510	2000	93	5620	2000	98	75 - 125	2	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005365-01 Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	10.1	10.0	101	80 - 120

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/12/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005365-01 Result	Spike Amount	% Rec	% Rec Limits
Iron, Total Recoverable	6010B	2010	2000	100	80 - 120

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/16/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005417-01 Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	7470A	5.03	5.00	101	80 - 120

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/13/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005469-01 Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	50.7	50.0	101	80 - 120
Arsenic, Total Recoverable	6020	51.6	50.0	103	80 - 120
Barium, Total Recoverable	6020	50.0	50.0	100	80 - 120
Beryllium, Total Recoverable	6020	50.1	50.0	100	80 - 120
Cadmium, Total Recoverable	6020	50.4	50.0	101	80 - 120
Chromium, Total Recoverable	6020	50.4	50.0	101	80 - 120
Cobalt, Total Recoverable	6020	50.0	50.0	100	80 - 120
Copper, Total Recoverable	6020	49.5	50.0	99	80 - 120
Lead, Total Recoverable	6020	50.2	50.0	100	80 - 120
Nickel, Total Recoverable	6020	50.4	50.0	101	80 - 120
Selenium, Total Recoverable	6020	53.0	50.0	106	80 - 120
Silver, Total Recoverable	6020	51.8	50.0	104	80 - 120
Thallium, Total Recoverable	6020	49.9	50.0	100	80 - 120
Vanadium, Total Recoverable	6020	50.3	50.0	101	80 - 120
Zinc, Total Recoverable	6020	104	100	104	80 - 120

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/ 4/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-6A
Lab Code: J1005317-001

Units: mg/L
Basis: NA

Analytical Method: 300.0

MW-6AMS
Matrix Spike
JQ1005348-04

Analyte Name	Sample Result	Result	Spike Amount	% Rec		% Rec Limits
Chloride	73.1	117	50.0	88	*	90 - 110
Nitrate as Nitrogen	ND	4.51	5.00	90		90 - 110

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/ 5/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-7C
Lab Code: J1005317-004

Units: mg/L
Basis: NA

Analytical Method: 350.1

MW-7CMS
Matrix Spike
JQ1005377-03

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.088	1.08	1.00	99	90 - 110

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/ 4/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-6A
Lab Code: J1005317-001

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-6ADUP Duplicate Sample JQ1005348-05 Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.09	73.1	72.8	73.0	<1	20
Nitrate as Nitrogen	300.0	0.20	0.07	ND U	ND U	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/3/10
Sample Matrix:	Water	**Date Received:**	11/4/10
		Date Analyzed:	11/ 5/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-7C	**Units:**	mg/L
Lab Code:	J1005317-004	**Basis:**	NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-7CDUP Duplicate Sample JQ1005377-04 Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.004	0.088	0.085	0.0863	3	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Collected: 11/3/10
Date Received: 11/4/10
Date Analyzed: 11/ 5/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-9C
Lab Code: J1005317-008

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-9CDUP Duplicate Sample JQ1005386-01 Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	10	83	70	76.5	17	20

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/ 4/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005348-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample JQ1005348-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chloride	300.0	50.6	50.0	101	50.6	50.0	101	90 - 110	<1	20
Nitrate as Nitrogen	300.0	4.73	5.00	95	4.74	5.00	95	90 - 110	<1	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005376-02 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	1.01	1.00	101	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005377-02 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.979	1.00	98	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/ 5/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005386-03 Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	SM 2540 C	285	300	95	85 - 115

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

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™

Cooler Receipt Form

Client: EPS Service Request #: J1005317

Project: JED SWDF

Cooler received on 11/4/10 and opened on 11/4/10 by CKB

COURIER: CAS ~~UPS~~ FEDEX Client Other _____ Airbill #_____

1	Were custody seals on outside of cooler?	(Yes)	No							
	If yes, how many and where?	#: 1	on (Fnt)	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)	2.9°								
5	Thermometer ID	T1L								
6	Temperature Blank Present?	Yes	No							
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No						
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A						
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap						
		Paper	Styrofoam	Other	N/A					
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A						
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A						
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A						
13	Were all of the preserved bottles received with the appropriate preservative?	(Yes)	No	N/A						
	~~HNO3 pH<2~~ ~~H2SO4 pH<2~~ ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2									
	Preservative additions noted below									
14	Were all samples received within analysis holding times?	(Yes)	No	N/A						
15	Were VOA vials checked for absence of air bubbles? If present, note below	(Yes)	No	N/A						
16	Where did the bottles originate?	(CAS)	Client							

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services™

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J1005317 Date: 11/4/10 Initials: CFB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Ziplock	Misc.	
Container	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	G	P	P	G	G	G	G	G	G	G	P	P	Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-		-			-	-		-	
-1	3	3				1		1		1																						-1
-2	T	T				T		T		T																						-2
-3																																-3
-4																																-4
-5																																-5
-6																																-6
-7																																-7
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-9		2																														-9
-10																																-10
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-36																																-36
-37																																-37
-38																																-38
-39																																-39
-40																																-40

NOTE: VOA pH checks are performed by the analytical area, not sample control

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

www.caslab.com

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

SR # J105317
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@enplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-399-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Numbe[redacted]

PRESERVATIVE: 1 0 3 0 2

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	TDS, Cl, NO_3	Metals	REMARKS/ ALTERNATE DESCRIPTION
MW-6A		11-3-10	1350	GW	9	X	X	X	X	X	
MW-6C			1420								
MW-7A			1250								
MW-7C			1220								
MW-8A			1020								
MW-8C			1050								
MW-9A			0835								
MW-9C		11-3-10	0900	GW	9	X	X	X	X	X	
Trip Blank		10-25-10	0900	DI H_2O	2	X					

1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10307-JED-1

2.9°

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
73					
Signature: Joe Terry	Signature: Charles Bringer	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Bringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-3-10/1545	Date/Time: 11/4/10 0915	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Columbia Analytical Services™ 9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 17, 2010 Service Request No: J1005317

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 4, 2010. For your reference, these analyses have been assigned our service request number **J1005317**.

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.

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.

W Patton for:
Craig Myers
Project Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005317
Project:	JED SWDF	**Date Received:**	11/4/10
Sample Matrix:	Water		

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. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Eight aqueous samples were received for analysis at Columbia Analytical Services on 11/4/10. The samples were received at 5°C within the 0-6°C temperature guidelines.

Extractable Organics by 8011

The surrogate Tetrachloro-m-xylene for sample MW-9A has been flagged with an "*" as being outside of the control limits low due to sample matrix. The sample was re-extracted and reanalyzed and both sets of data have been reported.

No other analytical or quality control problems were encountered during analysis.

Approved by _____ **Date** 11/18/10

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: J1005317

Lab ID	Client ID
J1005317-001	MW-6A
J1005317-002	MW-6C
J1005317-003	MW-7A
J1005317-004	MW-7C
J1005317-005	MW-8A
J1005317-006	MW-8C
J1005317-007	MW-9A
J1005317-008	MW-9C

Samples have been subcontracted to the following laboratory(ies). The subcontractor's analytical report is attached:

Columbia Analytical Services, Inc. - ROCHESTER
Rochester, NY

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1350
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 12:53
Sample Name:	MW-6A	**Units:**	µg/L
Lab Code:	J1005317-001	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF818.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	75	73-145	11/12/10 12:53	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1420
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 13:55
Sample Name:	MW-6C	**Units:**	µg/L
Lab Code:	J1005317-002	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF820.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	98	73-145	11/12/10 13:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1250
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 14:26
Sample Name:	MW-7A	**Units:**	µg/L
Lab Code:	J1005317-003	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF821.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	82	73-145	11/12/10 14:26	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1220
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 14:56
Sample Name:	MW-7C	**Units:**	µg/L
Lab Code:	J1005317-004	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF822.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	93	73-145	11/12/10 14:56	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1020
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 15:27
Sample Name:	MW-8A	**Units:**	µg/L
Lab Code:	J1005317-005	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF823.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	80	73-145	11/12/10 15:27	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 1050
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 15:57
Sample Name:	MW-8C	**Units:**	µg/L
Lab Code:	J1005317-006	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF824.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	93	73-145	11/12/10 15:57	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0835
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 16:28
Sample Name:	MW-9A	**Units:**	µg/L
Lab Code:	J1005317-007	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF825.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	55	*	73-145	11/12/10 16:28	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0835
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 21:43
Sample Name:	MW-9A	**Units:**	µg/L
Lab Code:	J1005317-007	**Basis:**	NA
Run Type:	Reanalysis		

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF917.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	61	*	73-145	11/15/10 21:43	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	11/ 3/10 0900
Sample Matrix:	Water	**Date Received:**	11/ 4/10
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 16:59
Sample Name:	MW-9C	**Units:**	µg/L
Lab Code:	J1005317-008	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF826.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	95	73-145	11/12/10 16:59	

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/11/10
		Date Analyzed:	11/12/10 08:47
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009973-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225163
Prep Method:	Method	**Extraction Lot:**	123276
Data File Name:	J:\ACQUDATA\6890D\DATA\111110\FF809.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	109	73-145	11/12/10 08:47	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005317
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/15/10
		Date Analyzed:	11/15/10 15:04
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1010213-01	**Basis:**	NA

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

Analytical Method:	8011	**Analysis Lot:**	225331
Prep Method:	Method	**Extraction Lot:**	123755
Data File Name:	J:\ACQUDATA\6890D\DATA\111510\FF904.D\	**Instrument Name:**	R-GC-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.033	U	0.060	0.033	
106-93-4	1,2-Dibromoethane	0.030	U	0.060	0.030	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Tetrachloro-m-xylene	115	73-145	11/15/10 15:04	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/12/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 123276

	Lab Control Sample RQ1009973-02			Duplicate Lab Control Sample RQ1009973-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.107	0.114	93	0.105	0.114	92	60 - 140	2	30
1,2-Dibromoethane	0.113	0.114	98	0.111	0.114	97	60 - 140	1	30

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005317
Date Analyzed: 11/15/10

Lab Control Sample Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analytical Method: 8011
Prep Method: Method

Units: µg/L
Basis: NA

Extraction Lot: 123755

	Lab Control Sample RQ1010213-02			Duplicate Lab Control Sample RQ1010213-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.102	0.114	89	0.101	0.114	88	60 - 140	1	30
1,2-Dibromoethane	0.115	0.114	100	0.113	0.114	99	60 - 140	2	30

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

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

Intra-Network Chain of Custody

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

CAS Contact: Craig Myers

Project Name: JED ~~Waste Facility LF~~ SWDF 11/4/10
Project Number:
Project Manager: Kirk Wills
Company: Environmental Planning Specialists

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	EDB_DBCP 8011
J1005317-001	MW-6A	3	Water	11/3/10	1350	11/4/10	ROCHESTER	II
J1005317-002	MW-6C		Water	11/3/10	1420	11/4/10	ROCHESTER	II
J1005317-003	MW-7A		Water	11/3/10	1250	11/4/10	ROCHESTER	II
J1005317-004	MW-7C		Water	11/3/10	1220	11/4/10	ROCHESTER	II
J1005317-005	MW-8A		Water	11/3/10	1020	11/4/10	ROCHESTER	II
J1005317-006	MW-8C		Water	11/3/10	1050	11/4/10	ROCHESTER	II
J1005317-007	MW-9A		Water	11/3/10	0835	11/4/10	ROCHESTER	II
J1005317-008	MW-9C		Water	11/3/10	0900	11/4/10	ROCHESTER	II

Special Instructions/Comments

PLEASE SEND RESULTS TO MANDY SULLIVAN

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

✓ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 11/18/10

Report Requirements

____ I. Results Only

✓ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y

Invoice Information

PO# J1005317

Bill to

Relinquished By: [signature] 11/4/10

Received By: [signature] 11/5/10 1014

Airbill Number: _____

Cooler Receipt And Preservation Check Form

Project/Client CAS-Jacksonville Folder Number _____

Cooler received on 11/5/10 by: (RP) **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	YES	NO	(N/A)		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	5°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 11/5/10 1020

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / (Sample Bottle)

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: [signature]

Cooler Breakdown: Date: 11/5/10 Time: 1325 by: DM

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO	
2.	Did all bottle labels and tags agree with custody papers?	YES	NO	
3.	Were correct containers used for the tests indicated?	YES	NO	
4.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated	N/A

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3				
≤2	H_2SO_4				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*		

Sample ID	Vol. Added	Lot Added	Final pH

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: client

Other Comments:

PC Secondary Review: [signature]

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

H:\SMODOCS\Cooler Receipt 3.doc

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 24, 2010 Service Request No: J1005393

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 9, 2010. For your reference, these analyses have been assigned our service request number **J1005393**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005393
Project:	JED SWDF	**Date Received:**	11/9/10
Sample Matrix:	Water		

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

Six water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/9/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. No problems were observed.

Metals by ICP-MS/ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6020/6010B/7470A. No problems were observed.

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The matrix spike recovery of Nitrate for sample MW-5A was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The recovery was not significantly outside of control criteria. No further corrective action was needed.

Subcontracted Analytical Parameters

The samples were delivered to ENCO Labs in Jacksonville, FL on 11/12/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by _____ **Date** 11/24/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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: Environmental Planning Specialists
Project: JED SWDF

Service Request: J1005393

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005393-001	MW-5A	11/8/10	10:55
J1005393-002	MW-5C	11/8/10	10:30
J1005393-003	MW-4A	11/8/10	12:30
J1005393-004	MW-4C	11/8/10	12:55
J1005393-005	MW-3A	11/8/10	14:30
J1005393-006	MW-3C	11/8/10	14:05
J1005393-007	Trip Blank	11/8/10	00:00

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-5A
Lab Code: J1005393-001

Service Request: J1005393
Date Collected: 11/ 8/10 1055
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 18:21		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 18:21		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 18:21		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 18:21		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 18:21		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 18:21		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 18:21		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 18:21		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 18:21		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 18:21		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 18:21		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 18:21		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 18:21		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 18:21		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 18:21		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 18:21		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 18:21		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 18:21		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 18:21		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 18:21		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 18:21		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 18:21		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 18:21		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 18:21		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 18:21		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 18:21		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 18:21		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 18:21		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 18:21		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 18:21		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 18:21		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 18:21		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 18:21		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 18:21		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 18:21		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 18:21		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-5A
Lab Code: J1005393-001

Service Request: J1005393
Date Collected: 11/ 8/10 1055
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 18:21		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 18:21		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 18:21		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 18:21		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 18:21		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 18:21		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 18:21		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 18:21		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 18:21		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 18:21		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 18:21		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 18:21		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	71-122	11/19/10 18:21	
4-Bromofluorobenzene	103	75-120	11/19/10 18:21	
Dibromofluoromethane	103	82-116	11/19/10 18:21	
Toluene-d8	110	88-117	11/19/10 18:21	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-5C
Lab Code: J1005393-002

Service Request: J1005393
Date Collected: 11/ 8/10 1030
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 18:48		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 18:48		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 18:48		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 18:48		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 18:48		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 18:48		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 18:48		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 18:48		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 18:48		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 18:48		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 18:48		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 18:48		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 18:48		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 18:48		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 18:48		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 18:48		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 18:48		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 18:48		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 18:48		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 18:48		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 18:48		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 18:48		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 18:48		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 18:48		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 18:48		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 18:48		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 18:48		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 18:48		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 18:48		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 18:48		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 18:48		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 18:48		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 18:48		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 18:48		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 18:48		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 18:48		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-5C
Lab Code: J1005393-002

Service Request: J1005393
Date Collected: 11/ 8/10 1030
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 18:48		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 18:48		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 18:48		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 18:48		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 18:48		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 18:48		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 18:48		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 18:48		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 18:48		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 18:48		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 18:48		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 18:48		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	71-122	11/19/10 18:48	
4-Bromofluorobenzene	102	75-120	11/19/10 18:48	
Dibromofluoromethane	101	82-116	11/19/10 18:48	
Toluene-d8	104	88-117	11/19/10 18:48	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-4A
Lab Code: J1005393-003

Service Request: J1005393
Date Collected: 11/ 8/10 1230
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 19:16		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 19:16		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 19:16		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 19:16		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 19:16		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 19:16		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 19:16		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 19:16		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 19:16		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 19:16		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 19:16		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 19:16		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 19:16		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 19:16		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 19:16		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 19:16		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 19:16		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 19:16		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 19:16		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 19:16		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 19:16		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 19:16		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 19:16		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 19:16		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 19:16		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 19:16		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 19:16		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 19:16		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 19:16		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 19:16		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 19:16		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 19:16		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 19:16		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 19:16		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 19:16		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 19:16		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-4A
Lab Code: J1005393-003

Service Request: J1005393
Date Collected: 11/ 8/10 1230
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 19:16		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 19:16		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 19:16		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 19:16		226245	
Toluene	**0.630**	I	1.00	0.190	1	NA	11/19/10 19:16		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 19:16		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 19:16		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 19:16		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 19:16		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 19:16		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 19:16		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 19:16		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	71-122	11/19/10 19:16	
4-Bromofluorobenzene	114	75-120	11/19/10 19:16	
Dibromofluoromethane	112	82-116	11/19/10 19:16	
Toluene-d8	115	88-117	11/19/10 19:16	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1255
Date Received: 11/ 9/10

Sample Name: MW-4C
Lab Code: J1005393-004

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 19:43		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 19:43		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 19:43		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 19:43		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 19:43		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 19:43		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 19:43		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 19:43		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 19:43		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 19:43		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 19:43		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 19:43		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 19:43		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 19:43		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 19:43		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 19:43		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 19:43		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 19:43		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 19:43		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 19:43		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 19:43		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 19:43		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 19:43		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 19:43		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 19:43		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 19:43		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 19:43		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 19:43		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 19:43		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 19:43		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 19:43		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 19:43		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 19:43		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 19:43		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 19:43		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 19:43		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-4C
Lab Code: J1005393-004

Service Request: J1005393
Date Collected: 11/ 8/10 1255
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 19:43		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 19:43		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 19:43		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 19:43		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 19:43		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 19:43		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 19:43		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 19:43		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 19:43		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 19:43		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 19:43		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 19:43		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	71-122	11/19/10 19:43	
4-Bromofluorobenzene	105	75-120	11/19/10 19:43	
Dibromofluoromethane	96	82-116	11/19/10 19:43	
Toluene-d8	108	88-117	11/19/10 19:43	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-3A
Lab Code: J1005393-005

Service Request: J1005393
Date Collected: 11/ 8/10 1430
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226403

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 15:45		226403	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 15:45		226403	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 15:45		226403	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 15:45		226403	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 15:45		226403	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 15:45		226403	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 15:45		226403	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 15:45		226403	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 15:45		226403	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 15:45		226403	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 15:45		226403	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 15:45		226403	
1,4-Dichlorobenzene	**1.18**		1.00	0.100	1	NA	11/22/10 15:45		226403	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 15:45		226403	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 15:45		226403	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 15:45		226403	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 15:45		226403	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 15:45		226403	
Benzene	**6.65**		1.00	0.210	1	NA	11/22/10 15:45		226403	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 15:45		226403	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 15:45		226403	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 15:45		226403	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 15:45		226403	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 15:45		226403	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 15:45		226403	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 15:45		226403	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 15:45		226403	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 15:45		226403	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 15:45		226403	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 15:45		226403	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 15:45		226403	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 15:45		226403	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 15:45		226403	
Ethylbenzene	**4.01**		1.00	0.210	1	NA	11/22/10 15:45		226403	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 15:45		226403	
m,p-Xylenes	**0.460**	I	2.00	0.410	1	NA	11/22/10 15:45		226403	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1430
Date Received: 11/ 9/10

Sample Name: MW-3A
Lab Code: J1005393-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226403

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/22/10 15:45		226403	
o-Xylene	**1.01**		1.00	0.140	1	NA	11/22/10 15:45		226403	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 15:45		226403	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 15:45		226403	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 15:45		226403	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 15:45		226403	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 15:45		226403	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 15:45		226403	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 15:45		226403	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 15:45		226403	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 15:45		226403	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 15:45		226403	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	71-122	11/22/10 15:45	
4-Bromofluorobenzene	103	75-120	11/22/10 15:45	
Dibromofluoromethane	104	82-116	11/22/10 15:45	
Toluene-d8	108	88-117	11/22/10 15:45	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-3C
Lab Code: J1005393-006

Service Request: J1005393
Date Collected: 11/ 8/10 1405
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 20:38		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 20:38		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 20:38		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 20:38		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 20:38		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 20:38		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 20:38		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 20:38		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 20:38		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 20:38		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 20:38		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 20:38		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 20:38		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 20:38		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 20:38		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 20:38		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 20:38		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 20:38		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 20:38		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 20:38		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 20:38		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 20:38		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 20:38		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 20:38		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 20:38		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 20:38		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 20:38		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 20:38		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 20:38		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 20:38		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 20:38		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 20:38		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 20:38		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 20:38		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 20:38		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 20:38		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-3C
Lab Code: J1005393-006

Service Request: J1005393
Date Collected: 11/ 8/10 1405
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 20:38		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 20:38		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 20:38		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 20:38		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 20:38		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 20:38		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 20:38		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 20:38		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 20:38		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 20:38		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 20:38		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 20:38		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	71-122	11/19/10 20:38	
4-Bromofluorobenzene	111	75-120	11/19/10 20:38	
Dibromofluoromethane	109	82-116	11/19/10 20:38	
Toluene-d8	113	88-117	11/19/10 20:38	

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1005393-007

Service Request: J1005393
Date Collected: 11/ 8/10 0000
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 21:06		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 21:06		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 21:06		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 21:06		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 21:06		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 21:06		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 21:06		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 21:06		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 21:06		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 21:06		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 21:06		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 21:06		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 21:06		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 21:06		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 21:06		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 21:06		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 21:06		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 21:06		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 21:06		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 21:06		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 21:06		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 21:06		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 21:06		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 21:06		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 21:06		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 21:06		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 21:06		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 21:06		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 21:06		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 21:06		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 21:06		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 21:06		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 21:06		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 21:06		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 21:06		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 21:06		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1005393-007

Service Request: J1005393
Date Collected: 11/ 8/10 0000
Date Received: 11/ 9/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 21:06		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 21:06		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 21:06		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 21:06		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 21:06		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 21:06		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 21:06		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 21:06		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 21:06		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 21:06		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 21:06		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 21:06		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	71-122	11/19/10 21:06	
4-Bromofluorobenzene	104	75-120	11/19/10 21:06	
Dibromofluoromethane	106	82-116	11/19/10 21:06	
Toluene-d8	108	88-117	11/19/10 21:06	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005737-04

Service Request: J1005393
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/19/10 12:22		226245	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/19/10 12:22		226245	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/19/10 12:22		226245	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/19/10 12:22		226245	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/19/10 12:22		226245	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/19/10 12:22		226245	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/19/10 12:22		226245	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/19/10 12:22		226245	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/19/10 12:22		226245	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/19/10 12:22		226245	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/19/10 12:22		226245	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/19/10 12:22		226245	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/19/10 12:22		226245	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/19/10 12:22		226245	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/19/10 12:22		226245	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/19/10 12:22		226245	
Acetone	ND	U	50.0	5.60	1	NA	11/19/10 12:22		226245	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/19/10 12:22		226245	
Benzene	ND	U	1.00	0.210	1	NA	11/19/10 12:22		226245	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/19/10 12:22		226245	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/19/10 12:22		226245	
Bromoform	ND	U	2.00	0.420	1	NA	11/19/10 12:22		226245	
Bromomethane	ND	U	1.00	0.220	1	NA	11/19/10 12:22		226245	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/19/10 12:22		226245	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/19/10 12:22		226245	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/19/10 12:22		226245	
Chloroethane	ND	U	5.00	0.220	1	NA	11/19/10 12:22		226245	
Chloroform	ND	U	1.00	0.350	1	NA	11/19/10 12:22		226245	
Chloromethane	ND	U	1.00	0.110	1	NA	11/19/10 12:22		226245	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/19/10 12:22		226245	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/19/10 12:22		226245	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/19/10 12:22		226245	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/19/10 12:22		226245	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/19/10 12:22		226245	
Iodomethane	ND	U	5.00	2.68	1	NA	11/19/10 12:22		226245	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/19/10 12:22		226245	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005737-04

Service Request: J1005393
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226245

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/19/10 12:22		226245	
o-Xylene	ND	U	1.00	0.140	1	NA	11/19/10 12:22		226245	
Styrene	ND	U	1.00	0.291	1	NA	11/19/10 12:22		226245	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/19/10 12:22		226245	
Toluene	ND	U	1.00	0.190	1	NA	11/19/10 12:22		226245	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/19/10 12:22		226245	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/19/10 12:22		226245	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/19/10 12:22		226245	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/19/10 12:22		226245	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/19/10 12:22		226245	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/19/10 12:22		226245	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/19/10 12:22		226245	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	71-122	11/19/10 12:22	
4-Bromofluorobenzene	108	75-120	11/19/10 12:22	
Dibromofluoromethane	105	82-116	11/19/10 12:22	
Toluene-d8	113	88-117	11/19/10 12:22	

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005764-04

Service Request: J1005393
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226403

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 11:09		226403	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 11:09		226403	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 11:09		226403	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 11:09		226403	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 11:09		226403	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 11:09		226403	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 11:09		226403	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 11:09		226403	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 11:09		226403	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 11:09		226403	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 11:09		226403	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 11:09		226403	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 11:09		226403	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 11:09		226403	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 11:09		226403	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 11:09		226403	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 11:09		226403	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 11:09		226403	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 11:09		226403	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 11:09		226403	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 11:09		226403	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 11:09		226403	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 11:09		226403	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 11:09		226403	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 11:09		226403	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 11:09		226403	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 11:09		226403	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 11:09		226403	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 11:09		226403	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 11:09		226403	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 11:09		226403	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 11:09		226403	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 11:09		226403	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 11:09		226403	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 11:09		226403	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 11:09		226403	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005764-04

Service Request: J1005393
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226403

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/22/10 11:09		226403	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 11:09		226403	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 11:09		226403	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 11:09		226403	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 11:09		226403	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 11:09		226403	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 11:09		226403	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 11:09		226403	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 11:09		226403	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 11:09		226403	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 11:09		226403	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 11:09		226403	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	71-122	11/22/10 11:09	
4-Bromofluorobenzene	103	75-120	11/22/10 11:09	
Dibromofluoromethane	102	82-116	11/22/10 11:09	
Toluene-d8	107	88-117	11/22/10 11:09	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1055
Date Received: 11/ 9/10

Sample Name: MW-5A
Lab Code: J1005393-001

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:14	
Arsenic, Total Recoverable	6020	**0.54**		µg/L	0.50	0.40	1	11/10/10	11/13/10 02:14	
Barium, Total Recoverable	6020	**11.6**		µg/L	2.0	0.3	1	11/10/10	11/13/10 02:14	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 02:14	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 02:14	
Chromium, Total Recoverable	6020	**1.1**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 02:14	
Cobalt, Total Recoverable	6020	**0.5**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:14	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 02:14	
Iron, Total Recoverable	6010B	**1150**		µg/L	100	10	1	11/15/10	11/16/10 19:31	
Lead, Total Recoverable	6020	**0.5**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:46	
Nickel, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:14	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 02:14	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 02:14	
Sodium, Total Recoverable	6010B	**18.2**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:29	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:14	
Vanadium, Total Recoverable	6020	**0.8**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 02:14	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 02:14	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1030
Date Received: 11/ 9/10

Sample Name: MW-5C
Lab Code: J1005393-002

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:19	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 02:19	
Barium, Total Recoverable	6020	**19.3**		µg/L	2.0	0.3	1	11/10/10	11/13/10 02:19	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 02:19	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 02:19	
Chromium, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 02:19	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:19	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 02:19	
Iron, Total Recoverable	6010B	**950**		µg/L	100	10	1	11/15/10	11/16/10 19:42	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:19	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:47	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:19	
Selenium, Total Recoverable	6020	**1.1**	I	µg/L	5.0	1.0	1	11/10/10	11/13/10 02:19	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 02:19	
Sodium, Total Recoverable	6010B	**7.98**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:40	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:19	
Vanadium, Total Recoverable	6020	**1.1**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 02:19	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 02:19	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1230
Date Received: 11/ 9/10

Sample Name: MW-4A
Lab Code: J1005393-003

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:59	
Arsenic, Total Recoverable	6020	**0.82**		µg/L	0.50	0.40	1	11/10/10	11/13/10 02:59	
Barium, Total Recoverable	6020	**17.1**		µg/L	2.0	0.3	1	11/10/10	11/13/10 02:59	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 02:59	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 02:59	
Chromium, Total Recoverable	6020	**1.8**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 02:59	
Cobalt, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:59	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 02:59	
Iron, Total Recoverable	6010B	**1120**		µg/L	100	10	1	11/15/10	11/16/10 19:46	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:59	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:48	
Nickel, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 02:59	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 02:59	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 02:59	
Sodium, Total Recoverable	6010B	**17.0**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:45	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 02:59	
Vanadium, Total Recoverable	6020	**1.8**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 02:59	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 02:59	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1255
Date Received: 11/ 9/10

Sample Name: MW-4C
Lab Code: J1005393-004

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:04	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 03:04	
Barium, Total Recoverable	6020	**13.5**		µg/L	2.0	0.3	1	11/10/10	11/13/10 03:04	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 03:04	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 03:04	
Chromium, Total Recoverable	6020	**1.8**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 03:04	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:04	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 03:04	
Iron, Total Recoverable	6010B	**720**		µg/L	100	10	1	11/15/10	11/16/10 19:50	
Lead, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:04	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:50	
Nickel, Total Recoverable	6020	**0.4**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:04	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 03:04	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 03:04	
Sodium, Total Recoverable	6010B	**7.19**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:49	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:04	
Vanadium, Total Recoverable	6020	**1.7**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 03:04	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 03:04	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1430
Date Received: 11/ 9/10

Sample Name: MW-3A
Lab Code: J1005393-005

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:09	
Arsenic, Total Recoverable	6020	**0.45**	I	µg/L	0.50	0.40	1	11/10/10	11/13/10 03:09	
Barium, Total Recoverable	6020	**46.7**		µg/L	2.0	0.3	1	11/10/10	11/13/10 03:09	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 03:09	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 03:09	
Chromium, Total Recoverable	6020	**2.0**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 03:09	
Cobalt, Total Recoverable	6020	**3.8**		µg/L	1.0	0.1	1	11/10/10	11/13/10 03:09	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 03:09	
Iron, Total Recoverable	6010B	**16900**		µg/L	100	10	1	11/15/10	11/16/10 19:55	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:09	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:51	
Nickel, Total Recoverable	6020	**1.0**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:09	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 03:09	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 03:09	
Sodium, Total Recoverable	6010B	**50.9**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:53	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:09	
Vanadium, Total Recoverable	6020	**1.2**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 03:09	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 03:09	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/ 8/10 1405
Date Received: 11/ 9/10

Sample Name: MW-3C
Lab Code: J1005393-006

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:14	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 03:14	
Barium, Total Recoverable	6020	**9.1**		µg/L	2.0	0.3	1	11/10/10	11/13/10 03:14	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 03:14	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 03:14	
Chromium, Total Recoverable	6020	**0.7**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 03:14	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:14	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 03:14	
Iron, Total Recoverable	6010B	**850**		µg/L	100	10	1	11/15/10	11/16/10 19:59	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:52	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 03:14	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 03:14	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 03:14	
Sodium, Total Recoverable	6010B	**4.86**		mg/L	0.50	0.02	1	11/15/10	11/16/10 19:58	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 03:14	
Vanadium, Total Recoverable	6020	**0.9**	I	µg/L	5.0	0.5	1	11/10/10	11/13/10 03:14	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 03:14	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005470-02

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/10/10	11/13/10 00:59	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/10/10	11/13/10 00:59	
Barium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/10/10	11/13/10 00:59	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/10/10	11/13/10 00:59	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/10/10	11/13/10 00:59	
Chromium, Total Recoverable	6020	**0.4**	I	µg/L	2.0	0.3	1	11/10/10	11/13/10 00:59	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 00:59	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/10/10	11/13/10 00:59	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 00:59	
Nickel, Total Recoverable	6020	**0.4**	I	µg/L	2.0	0.2	1	11/10/10	11/13/10 00:59	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/10/10	11/13/10 00:59	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/10/10	11/13/10 00:59	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.1	1	11/10/10	11/13/10 00:59	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/10/10	11/13/10 00:59	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/10/10	11/13/10 00:59	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005560-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Iron, Total Recoverable	6010B	ND	U	µg/L	100	10	1	11/15/10	11/16/10 18:59	
Sodium, Total Recoverable	6010B	ND	U	mg/L	0.50	0.02	1	11/15/10	11/16/10 18:57	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005580-02	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 12:43	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1055
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-5A		
Lab Code:	J1005393-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**5.81**		mg/L	0.010	0.004	1	NA	11/15/10 12:29	
Chloride	300.0	**11.9**		mg/L	0.50	0.09	1	NA	11/9/10 19:17	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 19:17	
Solids, Total Dissolved	SM 2540 C	**242**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1030
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-5C		
Lab Code:	J1005393-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.097**		mg/L	0.010	0.004	1	NA	11/15/10 12:32	
Chloride	300.0	**14.5**		mg/L	0.50	0.09	1	NA	11/9/10 20:02	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 20:02	
Solids, Total Dissolved	SM 2540 C	**44**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1230
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-4A		
Lab Code:	J1005393-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**12.7**		mg/L	0.10	0.04	10	NA	11/15/10 12:41	
Chloride	300.0	**57.5**		mg/L	0.50	0.09	1	NA	11/9/10 20:17	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 20:17	
Solids, Total Dissolved	SM 2540 C	**121**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1255
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-4C		
Lab Code:	J1005393-004	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.118**		mg/L	0.010	0.004	1	NA	11/15/10 12:42	
Chloride	300.0	**8.91**		mg/L	0.50	0.09	1	NA	11/9/10 20:32	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 20:32	
Solids, Total Dissolved	SM 2540 C	**70**		mg/L	10	10	1	NA	11/11/10 11:53	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1430
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-3A		
Lab Code:	J1005393-005	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**7.23**		mg/L	0.010	0.004	1	NA	11/15/10 12:34	
Chloride	300.0	**99.5**		mg/L	0.50	0.09	1	NA	11/9/10 20:47	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 20:47	
Solids, Total Dissolved	SM 2540 C	**245**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/ 8/10 1405
Sample Matrix:	Water	**Date Received:**	11/ 9/10
Sample Name:	MW-3C		
Lab Code:	J1005393-006	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.086**		mg/L	0.010	0.004	1	NA	11/15/10 12:35	
Chloride	300.0	**7.58**		mg/L	0.50	0.09	1	NA	11/9/10 21:02	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 21:02	
Solids, Total Dissolved	SM 2540 C	**37**		mg/L	10	10	1	NA	11/11/10 11:53	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005452-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/9/10 18:47	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/9/10 18:47	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005506-03	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/11/10 11:53	

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	JQ1005569-01	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 12:27	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
MW-5A	J1005393-001	99	103	103	110
MW-5C	J1005393-002	96	102	101	104
MW-4A	J1005393-003	103	114	112	115
MW-4C	J1005393-004	91	105	96	108
MW-3A	J1005393-005	99	103	104	108
MW-3C	J1005393-006	106	111	109	113
Trip Blank	J1005393-007	104	104	106	108
Method Blank	JQ1005737-04	98	108	105	113
Method Blank	JQ1005764-04	100	103	102	107
Lab Control Sample	JQ1005737-03	97	105	103	110
Lab Control Sample	JQ1005764-03	94	100	104	109

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/19/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226245

Lab Control Sample
JQ1005737-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.7	20.0	99	85 - 117
1,1,1-Trichloroethane (TCA)	18.5	20.0	93	79 - 124
1,1,2,2-Tetrachloroethane	20.1	20.0	101	83 - 120
1,1,2-Trichloroethane	20.9	20.0	105	86 - 114
1,1-Dichloroethane (1,1-DCA)	18.6	20.0	93	80 - 128
1,1-Dichloroethene (1,1-DCE)	18.7	20.0	93	78 - 130
1,2,3-Trichloropropane	20.2	20.0	101	83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	18.5	20.0	93	62 - 123
1,2-Dibromoethane (EDB)	20.2	20.0	101	88 - 117
1,2-Dichlorobenzene	18.1	20.0	91	84 - 115
1,2-Dichloroethane	17.3	20.0	86	80 - 124
1,2-Dichloropropane	18.5	20.0	93	79 - 123
1,4-Dichlorobenzene	18.1	20.0	90	83 - 113
2-Butanone (MEK)	81.5	100	82	73 - 127
2-Hexanone	85.3	100	85	71 - 138
4-Methyl-2-pentanone (MIBK)	85.4	100	85	72 - 136
Acetone	89.3	100	89	67 - 133
Acrylonitrile	86.5	100	86	77 - 127
Benzene	18.9	20.0	94	79 - 119
Bromochloromethane	19.8	20.0	99	79 - 129
Bromodichloromethane	18.8	20.0	94	81 - 123
Bromoform	18.9	20.0	94	68 - 129
Bromomethane	22.3	20.0	111	79 - 130
Carbon Disulfide	91.2	100	91	76 - 138
Carbon Tetrachloride	17.9	20.0	90	81 - 125
Chlorobenzene	20.1	20.0	100	86 - 113
Chloroethane	19.7	20.0	99	74 - 126
Chloroform	19.1	20.0	95	83 - 124
Chloromethane	17.8	20.0	89	67 - 135
cis-1,2-Dichloroethene	17.7	20.0	88	80 - 126
cis-1,3-Dichloropropene	19.5	20.0	97	86 - 123
Dibromochloromethane	20.4	20.0	102	82 - 121

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/19/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226245

Analyte Name	Lab Control Sample JQ1005737-03 Result	Spike Amount	% Rec	% Rec Limits
Dibromomethane	19.6	20.0	98	83 - 123
Ethylbenzene	19.1	20.0	96	90 - 118
Iodomethane	92.0	100	92	68 - 134
m,p-Xylenes	38.3	40.0	96	86 - 121
Methylene Chloride	19.2	20.0	96	72 - 124
o-Xylene	19.4	20.0	97	89 - 119
Styrene	19.4	20.0	97	89 - 122
Tetrachloroethene (PCE)	20.7	20.0	103	80 - 121
Toluene	19.2	20.0	96	86 - 117
trans-1,2-Dichloroethene	17.4	20.0	87	77 - 124
trans-1,3-Dichloropropene	19.4	20.0	97	83 - 124
trans-1,4-Dichloro-2-butene	12.4	20.0	62	53 - 143
Trichloroethene (TCE)	18.7	20.0	94	76 - 124
Trichlorofluoromethane	20.8	20.0	104	74 - 134
Vinyl Acetate	70.6	100	71	61 - 148
Vinyl Chloride	20.9	20.0	104	78 - 132

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/22/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226403

Lab Control Sample
JQ1005764-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	18.3	20.0	92	85 - 117
1,1,1-Trichloroethane (TCA)	18.1	20.0	91	79 - 124
1,1,2,2-Tetrachloroethane	20.2	20.0	101	83 - 120
1,1,2-Trichloroethane	21.1	20.0	106	86 - 114
1,1-Dichloroethane (1,1-DCA)	19.0	20.0	95	80 - 128
1,1-Dichloroethene (1,1-DCE)	19.4	20.0	97	78 - 130
1,2,3-Trichloropropane	20.6	20.0	103	83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	16.3	20.0	81	62 - 123
1,2-Dibromoethane (EDB)	20.8	20.0	104	88 - 117
1,2-Dichlorobenzene	18.3	20.0	92	84 - 115
1,2-Dichloroethane	17.1	20.0	86	80 - 124
1,2-Dichloropropane	19.5	20.0	97	79 - 123
1,4-Dichlorobenzene	18.4	20.0	92	83 - 113
2-Butanone (MEK)	95.8	100	96	73 - 127
2-Hexanone	90.7	100	91	71 - 138
4-Methyl-2-pentanone (MIBK)	88.6	100	89	72 - 136
Acetone	99.2	100	99	67 - 133
Acrylonitrile	90.2	100	90	77 - 127
Benzene	19.3	20.0	96	79 - 119
Bromochloromethane	20.8	20.0	104	79 - 129
Bromodichloromethane	18.6	20.0	93	81 - 123
Bromoform	15.7	20.0	78	68 - 129
Bromomethane	21.5	20.0	108	79 - 130
Carbon Disulfide	91.2	100	91	76 - 138
Carbon Tetrachloride	16.2	20.0	81	81 - 125
Chlorobenzene	20.7	20.0	104	86 - 113
Chloroethane	20.8	20.0	104	74 - 126
Chloroform	19.3	20.0	97	83 - 124
Chloromethane	17.7	20.0	89	67 - 135
cis-1,2-Dichloroethene	18.4	20.0	92	80 - 126
cis-1,3-Dichloropropene	19.6	20.0	98	86 - 123
Dibromochloromethane	18.9	20.0	94	82 - 121

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/22/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226403

Analyte Name	Lab Control Sample JQ1005764-03 Result	Spike Amount	% Rec	% Rec Limits
Dibromomethane	20.0	20.0	100	83 - 123
Ethylbenzene	20.1	20.0	100	90 - 118
Iodomethane	93.6	100	94	68 - 134
m,p-Xylenes	40.0	40.0	100	86 - 121
Methylene Chloride	19.2	20.0	96	72 - 124
o-Xylene	19.9	20.0	100	89 - 119
Styrene	20.2	20.0	101	89 - 122
Tetrachloroethene (PCE)	22.1	20.0	111	80 - 121
Toluene	19.8	20.0	99	86 - 117
trans-1,2-Dichloroethene	18.4	20.0	92	77 - 124
trans-1,3-Dichloropropene	18.6	20.0	93	83 - 124
trans-1,4-Dichloro-2-butene	12.8	20.0	64	53 - 143
Trichloroethene (TCE)	20.4	20.0	102	76 - 124
Trichlorofluoromethane	21.0	20.0	105	74 - 134
Vinyl Acetate	78.0	100	78	61 - 148
Vinyl Chloride	20.3	20.0	102	78 - 132

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/8/10
Date Received: 11/9/10
Date Analyzed: 11/13/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-5C
Lab Code: J1005393-002

Units: µg/L
Basis: NA

Analytical Method: 6020
Prep Method: EPA 3020A

		MW-5CMS Matrix Spike JQ1005470-03			MW-5CDMS Duplicate Matrix Spike JQ1005470-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	ND	49.6	50.0	99	48.4	50.0	97	75 - 125	3	20
Arsenic, Total Recoverable	ND	48.3	50.0	97	47.1	50.0	94	75 - 125	2	20
Barium, Total Recoverable	19.3	68.1	50.0	98	65.8	50.0	93	75 - 125	4	20
Beryllium, Total Recoverable	ND	52.0	50.0	104	50.0	50.0	100	75 - 125	4	20
Cadmium, Total Recoverable	ND	51.0	50.0	102	48.3	50.0	97	75 - 125	5	20
Chromium, Total Recoverable	0.5	49.4	50.0	98	48.4	50.0	96	75 - 125	2	20
Cobalt, Total Recoverable	ND	48.8	50.0	98	48.0	50.0	96	75 - 125	1	20
Copper, Total Recoverable	ND	48.9	50.0	98	46.9	50.0	94	75 - 125	4	20
Lead, Total Recoverable	ND	50.0	50.0	100	48.3	50.0	97	75 - 125	3	20
Nickel, Total Recoverable	ND	49.1	50.0	98	47.2	50.0	94	75 - 125	4	20
Selenium, Total Recoverable	1.1	46.8	50.0	91	44.6	50.0	87	75 - 125	5	20
Silver, Total Recoverable	ND	50.6	50.0	101	48.6	50.0	97	75 - 125	4	20
Thallium, Total Recoverable	ND	50.0	50.0	100	49.4	50.0	99	75 - 125	1	20
Vanadium, Total Recoverable	1.1	50.2	50.0	98	48.0	50.0	94	75 - 125	5	20
Zinc, Total Recoverable	ND	100	100	100	97.8	100	98	75 - 125	3	20

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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.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/13/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005470-01 Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	51.0	50.0	102	80 - 120
Arsenic, Total Recoverable	6020	51.7	50.0	103	80 - 120
Barium, Total Recoverable	6020	50.3	50.0	101	80 - 120
Beryllium, Total Recoverable	6020	50.2	50.0	100	80 - 120
Cadmium, Total Recoverable	6020	51.5	50.0	103	80 - 120
Chromium, Total Recoverable	6020	50.0	50.0	100	80 - 120
Cobalt, Total Recoverable	6020	49.8	50.0	100	80 - 120
Copper, Total Recoverable	6020	50.2	50.0	100	80 - 120
Lead, Total Recoverable	6020	50.6	50.0	101	80 - 120
Nickel, Total Recoverable	6020	50.3	50.0	101	80 - 120
Selenium, Total Recoverable	6020	52.0	50.0	104	80 - 120
Silver, Total Recoverable	6020	51.4	50.0	103	80 - 120
Thallium, Total Recoverable	6020	51.3	50.0	103	80 - 120
Vanadium, Total Recoverable	6020	49.4	50.0	99	80 - 120
Zinc, Total Recoverable	6020	103	100	103	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/16/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005560-01 Result	Spike Amount	% Rec	% Rec Limits
Iron, Total Recoverable	6010B	2060	2000	103	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/16/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005560-01 Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	10.0	10.0	100	80 - 120

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

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

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/16/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005580-01 Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	7470A	5.07	5.00	101	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/8/10
Date Received: 11/9/10
Date Analyzed: 11/ 9/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-5A
Lab Code: J1005393-001

Units: mg/L
Basis: NA

Analytical Method: 300.0

MW-5AMS
Matrix Spike
JQ1005452-03

Analyte Name	Sample Result	Result	Spike Amount	% Rec		% Rec Limits
Chloride	11.9	59.9	50.0	96		90 - 110
Nitrate as Nitrogen	ND	4.40	5.00	88	*	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/8/10
Sample Matrix:	Water	**Date Received:**	11/9/10
		Date Analyzed:	11/15/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	MW-5A	**Units:**	mg/L
Lab Code:	J1005393-001	**Basis:**	NA

Analytical Method: 350.1

		MW-5AMS **Matrix Spike** JQ1005569-03				
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**
Ammonia as Nitrogen	5.81	6.78	1.00	97	#	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005393
Project:	JED SWDF	**Date Collected:**	11/8/10
Sample Matrix:	Water	**Date Received:**	11/9/10
		Date Analyzed:	11/ 9/10 - 11/15/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-5A	**Units:**	mg/L
Lab Code:	J1005393-001	**Basis:**	NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-5ADUP Duplicate Sample JQ1005452-04 Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.09	11.9	11.8	11.8	<1	20
Nitrate as Nitrogen	300.0	0.20	0.07	ND U	ND U	NC	NC	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Collected: 11/8/10
Date Received: 11/9/10
Date Analyzed: 11/ 9/10 - 11/15/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-5A
Lab Code: J1005393-001

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-5ADUP Duplicate Sample JQ1005569-04 Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.004	5.81	5.82	5.82	<1	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/ 9/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005452-02 Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	50.3	50.0	101	90 - 110
Nitrate as Nitrogen	300.0	4.69	5.00	94	90 - 110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/11/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005506-04 Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	SM 2540 C	284	300	95	85 - 115

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005393
Date Analyzed: 11/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample JQ1005569-02 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.973	1.00	97	90 - 110

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

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™

Cooler Receipt Form

Client: EPS Service Request #: J1005393

Project: JED SWDP

Cooler received on 11-9-10 and opened on 11-9-10 by CKB

COURIER: CAS UPS FEDEX Client Other _____ Airbill #_____

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)	4.4°						
5	Thermometer ID	T3						
6	Temperature Blank Present?	Yes	No					
7	Were Ice or Ice Packs present	Ice	Ice Packs	No				
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A				
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap				
		Paper	Styrofoam	Other	N/A			
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A				
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A				
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A				
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A				
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2							
	Preservative additions noted below							
14	Were all samples received within analysis holding times?	Yes	No	N/A				
15	Were VOA vials checked for absence of air bubbles? If present, note below	Yes	No	N/A				
16	Where did the bottles originate?	CAS	Client					

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services™

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J 1005393 Date: 11-9-10 Initials: CKB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Container	40mL G	40mL G	40mL G	125mL P	125mL P	125mL P	125mL P	250mL P	250mL P	250mL P	250mL P	250mL P	250mL G	250mL G	500mL P	500mL P	500mL P	500mL P	500mL G	1L P	1L P	1L G	1L G	1L G	2oz G	4oz G	8oz G	16oz G	100ml P	Ziplock P	Misc. Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-				-	-		-	
-1	3	3				1		1		1																						-1
-2	1	1				1		1		1																						-2
-3	1	1				1		1		1																						-3
-4	1	1				1		1		1																						-4
-5	1	1				1		1		1																						-5
-6	1	1				1		1		1																						-6
-7		2																														-7
-8																																-8
-9																																-9
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-39																																-39
-40																																-40

NOTE: VOA pH checks are performed by the analytical area, not sample control

09

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

www.caslab.com

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

SR # J1005393
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@eps-planning.com
Company/Address: EPS 1936 Bruce B Downs Blvd #328 Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and Co[redacted]

PRESERVATIVE: 1 0 3 0 2

NUMBER OF CONTAINERS | 8260 | 8011 | NH_3 | TDS, Cl, NO_3 | Metals

1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	#	8260	8011	NH_3	TDS, Cl, NO_3	Metals
MW-5A		11-8-10	1055	GW	9	X	X	X	X	X
MW-5C			1030		9					
MW-4A			1230		9					
MW-4C			1255		9					
MW-3A			1430		9					
MW-3C		11-8-10	1405	GW	9	X	X	X	X	X
Trip Blank		10-25-10	0930	DD H_2O	2	X				

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10312-JED-1

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_X_ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: [illegible]	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-8-10/1600	Date/Time: 11-8-10 0927	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Friday, November 19, 2010

Columbia Analytical Svcs. (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for
Project Number: J1005393, Project Name/Desc: J1005393
ENCO Workorder: B005396

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, November 12, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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

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

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

Sincerely,

Lindsay J Crawford For Chris Tompkins

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 12.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-5A	Lab ID: B005396-01	Sampled: 11/08/10 10:55	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 13:38

Client ID: MW-5C	Lab ID: B005396-02	Sampled: 11/08/10 10:30	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 13:52

Client ID: MW-4A	Lab ID: B005396-03	Sampled: 11/08/10 12:30	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 14:04

Client ID: MW-4C	Lab ID: B005396-04	Sampled: 11/08/10 12:55	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 14:18

Client ID: MW-3A	Lab ID: B005396-05	Sampled: 11/08/10 14:30	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 14:30

Client ID: MW-3C	Lab ID: B005396-06	Sampled: 11/08/10 14:05	Received: 11/12/10 09:16

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8011	11/22/10	11/30/10	11/16/10	12:44	11/18/2010 14:45

SAMPLE DETECTION SUMMARY

No positive results detected.

www.encolabs.com

ANALYTICAL RESULTS

Description: MW-5A
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-01
Sampled: 11/08/10 10:55
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:38	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:38	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.27*	*1*	*0.250*	*110 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 13:38*	*JSW*	

Description: MW-5C
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-02
Sampled: 11/08/10 10:30
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:52	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:52	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.28*	*1*	*0.250*	*112 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 13:52*	*JSW*	

Description: MW-4A
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-03
Sampled: 11/08/10 12:30
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:04	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:04	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.27*	*1*	*0.250*	*107 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 14:04*	*JSW*	

Description: MW-4C
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-04
Sampled: 11/08/10 12:55
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:18	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:18	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.30*	*1*	*0.250*	*121 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 14:18*	*JSW*	

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Description: MW-3A
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-05
Sampled: 11/08/10 14:30
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:30	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:30	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.26*	*1*	*0.250*	*106 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 14:30*	*JSW*	

Description: MW-3C
Matrix: Water
Project: J1005393

Lab Sample ID: B005396-06
Sampled: 11/08/10 14:05
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005396

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:45	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 14:45	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.30*	*1*	*0.250*	*118 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 14:45*	*JSW*	

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 0K16005 - EPA 8011

Blank (0K16005-BLK1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.012	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane	*0.30*			*ug/L*	*0.250*		*121*	*33-122*			

LCS (0K16005-BS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250		100	60-140			
1,2-Dibromoethane	0.24		0.020	ug/L	0.250		94	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.29*			*ug/L*	*0.250*		*115*	*33-122*			

Matrix Spike (0K16005-MS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:29

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250	0.012 U	82	60-140			
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.12*			*ug/L*	*0.250*		*50*	*33-122*			

Matrix Spike Dup (0K16005-MSD1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:41

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	87	60-140	6	20	
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140	0.6	20	
Surrogate: 1,1,1,2-Tetrachloroethane	*0.15*			*ug/L*	*0.250*		*62*	*33-122*			

FLAGS/NOTES AND DEFINITIONS

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

Columbia Analytical Services, Inc. Chain of Custody

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

CAS Contact: Craig Myers

Project Number: J1005393
Project Manager: Craig Myers

~~B005394~~ KK 11-12-10
B005396

MISC_OUT_1 - None

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	1108
J1005393-001	MW-5A	3	Water	11/8/10	1055	ENCO	X
J1005393-002	MW-5C		Water	11/8/10	1030	ENCO	
J1005393-003	MW-4A		Water	11/8/10	1230	ENCO	
J1005393-004	MW-4C		Water	11/8/10	1255	ENCO	
J1005393-005	MW-3A		Water	11/8/10	1430	ENCO	
J1005393-006	MW-3C		Water	11/8/10	1405	ENCO	

Test Comments
MISC_OUT_1 - None J1005393-006 EDB and DBCP by EPA Method 8011

Client Cooler @ 5.7°C

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ✓ STANDARD Requested FAX Date: ___ Requested Report Date: 11/23/10	___ I. Results Only ✓ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD Y	PO# J1005393 Bill to

Relinquished By: [signature] 11/11/10 Received By: Kristin Kelley 0916 11-12-10 Airbill Number: ___

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

November 30, 2010 Service Request No: J1005431

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 10, 2010. For your reference, these analyses have been assigned our service request number **J1005431**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

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CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005431
Project:	JED SWDF	**Date Received:**	11/10/10
Sample Matrix:	Water		

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

Nine water samples and one trip blank were received for analysis at Columbia Analytical Services on 11/10/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Elevated Method Reporting Limits

The reporting limits are elevated for all analytes in samples MW-23A and MW-19A. The sample was diluted prior to instrumental analysis due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Metals by ICP-MS/ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6020/6010B/7470A. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The matrix spike recoveries of Selenium and Silver for sample MW-19C 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 low bias in this matrix. No further corrective action was appropriate.

Samples Notes and Discussion

Due to an inadvertent error caused by the installation of a new de-ionized water system in the laboratory, the incorrect water type was provided for the equipment blank collection. Due to this mistake, the equipment blank has detections that are highly suspect and most likely due to the de-ionized water system. This should have no impact on the sample data and the comparison of the data to historical results.

Approved by _____ **Date** 11/30/10

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. The following observations were made regarding this delivery group.

Samples Notes and Discussion

Due to an inadvertent error caused by the installation of a new de-ionized water system in the laboratory, the incorrect water type was provided for the equipment blank collection. Due to this mistake, the equipment blank has detections that are highly suspect and most likely due to the de-ionized water system. This should have no impact on the sample data and the comparison of the data to historical results.

Subcontracted Analytical Parameters

The samples were delivered to ENCO Labs in Jacksonville, FL on 11/12/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by _____ **Date** 11/30/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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.

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005431-001	MW-2A	11/9/10	07:55
J1005431-002	MW-2C	11/9/10	07:30
J1005431-003	MW-1A	11/9/10	09:40
J1005431-004	MW-1C	11/9/10	09:05
J1005431-005	MW-23A	11/9/10	12:35
J1005431-006	MW-23C	11/9/10	11:05
J1005431-007	MW-19A	11/9/10	14:25
J1005431-008	MW-19C	11/9/10	15:00
J1005431-009	EB-2	11/9/10	11:30
J1005431-010	Trip Blank	11/9/10	00:00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-2A
Lab Code: J1005431-001

Service Request: J1005431
Date Collected: 11/ 9/10 0755
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:03		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 00:03		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 00:03		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 00:03		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 00:03		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:03		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 00:03		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 00:03		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 00:03		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 00:03		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:03		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 00:03		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 00:03		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 00:03		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 00:03		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 00:03		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 00:03		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 00:03		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 00:03		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 00:03		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 00:03		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 00:03		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 00:03		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 00:03		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 00:03		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 00:03		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 00:03		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 00:03		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 00:03		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 00:03		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 00:03		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 00:03		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 00:03		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 00:03		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 00:03		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 00:03		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-2A
Lab Code: J1005431-001

Service Request: J1005431
Date Collected: 11/ 9/10 0755
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 00:03		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 00:03		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 00:03		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 00:03		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 00:03		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 00:03		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 00:03		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 00:03		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:03		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 00:03		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 00:03		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 00:03		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	71-122	11/18/10 00:03	
4-Bromofluorobenzene	107	75-120	11/18/10 00:03	
Dibromofluoromethane	108	82-116	11/18/10 00:03	
Toluene-d8	113	88-117	11/18/10 00:03	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-2C
Lab Code: J1005431-002

Service Request: J1005431
Date Collected: 11/ 9/10 0730
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:31		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 00:31		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 00:31		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 00:31		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 00:31		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:31		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 00:31		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 00:31		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 00:31		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 00:31		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:31		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 00:31		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 00:31		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 00:31		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 00:31		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 00:31		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 00:31		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 00:31		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 00:31		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 00:31		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 00:31		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 00:31		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 00:31		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 00:31		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 00:31		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 00:31		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 00:31		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 00:31		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 00:31		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 00:31		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 00:31		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 00:31		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 00:31		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 00:31		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 00:31		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 00:31		226172	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0730
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-2C	**Units:**	µg/L
Lab Code:	J1005431-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 00:31		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 00:31		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 00:31		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 00:31		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 00:31		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 00:31		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 00:31		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 00:31		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:31		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 00:31		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 00:31		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 00:31		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	71-122	11/18/10 00:31	
4-Bromofluorobenzene	107	75-120	11/18/10 00:31	
Dibromofluoromethane	106	82-116	11/18/10 00:31	
Toluene-d8	115	88-117	11/18/10 00:31	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-1A
Lab Code: J1005431-003

Service Request: J1005431
Date Collected: 11/ 9/10 0940
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:58		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 00:58		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 00:58		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 00:58		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 00:58		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:58		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 00:58		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 00:58		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 00:58		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 00:58		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 00:58		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 00:58		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 00:58		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 00:58		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 00:58		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 00:58		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 00:58		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 00:58		226172	
Benzene	**6.10**		1.00	0.210	1	NA	11/18/10 00:58		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 00:58		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 00:58		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 00:58		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 00:58		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 00:58		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 00:58		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 00:58		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 00:58		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 00:58		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 00:58		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 00:58		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 00:58		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 00:58		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 00:58		226172	
Ethylbenzene	**6.44**		1.00	0.210	1	NA	11/18/10 00:58		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 00:58		226172	
m,p-Xylenes	**5.67**		2.00	0.410	1	NA	11/18/10 00:58		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-1A
Lab Code: J1005431-003

Service Request: J1005431
Date Collected: 11/ 9/10 0940
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 00:58		226172	
o-Xylene	**2.58**		1.00	0.140	1	NA	11/18/10 00:58		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 00:58		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 00:58		226172	
Toluene	**1.54**		1.00	0.190	1	NA	11/18/10 00:58		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 00:58		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 00:58		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 00:58		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 00:58		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 00:58		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 00:58		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 00:58		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	71-122	11/18/10 00:58	
4-Bromofluorobenzene	108	75-120	11/18/10 00:58	
Dibromofluoromethane	105	82-116	11/18/10 00:58	
Toluene-d8	111	88-117	11/18/10 00:58	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-1C
Lab Code: J1005431-004

Service Request: J1005431
Date Collected: 11/ 9/10 0905
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 01:26		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 01:26		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 01:26		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 01:26		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 01:26		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 01:26		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 01:26		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 01:26		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 01:26		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 01:26		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 01:26		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 01:26		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 01:26		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 01:26		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 01:26		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 01:26		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 01:26		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 01:26		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 01:26		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 01:26		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 01:26		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 01:26		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 01:26		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 01:26		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 01:26		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 01:26		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 01:26		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 01:26		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 01:26		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 01:26		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 01:26		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 01:26		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 01:26		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 01:26		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 01:26		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 01:26		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-1C
Lab Code: J1005431-004

Service Request: J1005431
Date Collected: 11/ 9/10 0905
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 01:26		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 01:26		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 01:26		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 01:26		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 01:26		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 01:26		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 01:26		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 01:26		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 01:26		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 01:26		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 01:26		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 01:26		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	71-122	11/18/10 01:26	
4-Bromofluorobenzene	108	75-120	11/18/10 01:26	
Dibromofluoromethane	108	82-116	11/18/10 01:26	
Toluene-d8	113	88-117	11/18/10 01:26	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1235
Date Received: 11/10/10

Sample Name: MW-23A
Lab Code: J1005431-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	2.00	0.360	2	NA	11/18/10 01:54		226172	
1,1,1-Trichloroethane (TCA)	ND	U	2.00	0.340	2	NA	11/18/10 01:54		226172	
1,1,2,2-Tetrachloroethane	ND	U	2.00	0.220	2	NA	11/18/10 01:54		226172	
1,1,2-Trichloroethane	ND	U	2.00	0.340	2	NA	11/18/10 01:54		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	2.00	0.260	2	NA	11/18/10 01:54		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	2.00	0.320	2	NA	11/18/10 01:54		226172	
1,2,3-Trichloropropane	ND	U	4.00	0.840	2	NA	11/18/10 01:54		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	10.0	4.60	2	NA	11/18/10 01:54		226172	
1,2-Dibromoethane (EDB)	ND	U	2.00	0.340	2	NA	11/18/10 01:54		226172	
1,2-Dichlorobenzene	ND	U	2.00	0.956	2	NA	11/18/10 01:54		226172	
1,2-Dichloroethane	ND	U	2.00	0.360	2	NA	11/18/10 01:54		226172	
1,2-Dichloropropane	ND	U	2.00	0.240	2	NA	11/18/10 01:54		226172	
1,4-Dichlorobenzene	ND	U	2.00	0.200	2	NA	11/18/10 01:54		226172	
2-Butanone (MEK)	ND	U	20.0	7.60	2	NA	11/18/10 01:54		226172	
2-Hexanone	ND	U	50.0	4.40	2	NA	11/18/10 01:54		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	50.0	1.30	2	NA	11/18/10 01:54		226172	
Acetone	ND	U	100	11.2	2	NA	11/18/10 01:54		226172	
Acrylonitrile	ND	U	20.0	2.40	2	NA	11/18/10 01:54		226172	
Benzene	ND	U	2.00	0.420	2	NA	11/18/10 01:54		226172	
Bromochloromethane	ND	U	10.0	0.540	2	NA	11/18/10 01:54		226172	
Bromodichloromethane	ND	U	2.00	0.340	2	NA	11/18/10 01:54		226172	
Bromoform	ND	U	4.00	0.840	2	NA	11/18/10 01:54		226172	
Bromomethane	ND	U	2.00	0.440	2	NA	11/18/10 01:54		226172	
Carbon Disulfide	ND	U	20.0	4.72	2	NA	11/18/10 01:54		226172	
Carbon Tetrachloride	ND	U	2.00	0.680	2	NA	11/18/10 01:54		226172	
Chlorobenzene	ND	U	2.00	0.320	2	NA	11/18/10 01:54		226172	
Chloroethane	ND	U	10.0	0.440	2	NA	11/18/10 01:54		226172	
Chloroform	ND	U	2.00	0.700	2	NA	11/18/10 01:54		226172	
Chloromethane	ND	U	2.00	0.220	2	NA	11/18/10 01:54		226172	
cis-1,2-Dichloroethene	ND	U	2.00	0.720	2	NA	11/18/10 01:54		226172	
cis-1,3-Dichloropropene	ND	U	2.00	0.400	2	NA	11/18/10 01:54		226172	
Dibromochloromethane	ND	U	2.00	0.380	2	NA	11/18/10 01:54		226172	
Dibromomethane	ND	U	10.0	0.360	2	NA	11/18/10 01:54		226172	
Ethylbenzene	ND	U	2.00	0.420	2	NA	11/18/10 01:54		226172	
Iodomethane	ND	U	10.0	5.36	2	NA	11/18/10 01:54		226172	
m,p-Xylenes	ND	U	4.00	0.820	2	NA	11/18/10 01:54		226172	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1235
Date Received: 11/10/10

Sample Name: MW-23A
Lab Code: J1005431-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	10.0	0.420	2	NA	11/18/10 01:54		226172	
o-Xylene	ND	U	2.00	0.280	2	NA	11/18/10 01:54		226172	
Styrene	ND	U	2.00	0.582	2	NA	11/18/10 01:54		226172	
Tetrachloroethene (PCE)	ND	U	2.00	0.220	2	NA	11/18/10 01:54		226172	
Toluene	ND	U	2.00	0.380	2	NA	11/18/10 01:54		226172	
trans-1,2-Dichloroethene	ND	U	2.00	0.240	2	NA	11/18/10 01:54		226172	
trans-1,3-Dichloropropene	ND	U	2.00	0.460	2	NA	11/18/10 01:54		226172	
trans-1,4-Dichloro-2-butene	ND	U	40.0	4.40	2	NA	11/18/10 01:54		226172	
Trichloroethene (TCE)	ND	U	2.00	0.320	2	NA	11/18/10 01:54		226172	
Trichlorofluoromethane	ND	U	40.0	0.440	2	NA	11/18/10 01:54		226172	
Vinyl Acetate	ND	U	20.0	3.80	2	NA	11/18/10 01:54		226172	
Vinyl Chloride	ND	U	2.00	0.440	2	NA	11/18/10 01:54		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	71-122	11/18/10 01:54	
4-Bromofluorobenzene	106	75-120	11/18/10 01:54	
Dibromofluoromethane	106	82-116	11/18/10 01:54	
Toluene-d8	115	88-117	11/18/10 01:54	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-23C
Lab Code: J1005431-006

Service Request: J1005431
Date Collected: 11/ 9/10 1105
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 02:21		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 02:21		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 02:21		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 02:21		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 02:21		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 02:21		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 02:21		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 02:21		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 02:21		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 02:21		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 02:21		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 02:21		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 02:21		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 02:21		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 02:21		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 02:21		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 02:21		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 02:21		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 02:21		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 02:21		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 02:21		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 02:21		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 02:21		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 02:21		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 02:21		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 02:21		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 02:21		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 02:21		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 02:21		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 02:21		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 02:21		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 02:21		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 02:21		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 02:21		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 02:21		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 02:21		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-23C
Lab Code: J1005431-006

Service Request: J1005431
Date Collected: 11/ 9/10 1105
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 02:21		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 02:21		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 02:21		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 02:21		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 02:21		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 02:21		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 02:21		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 02:21		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 02:21		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 02:21		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 02:21		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 02:21		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	71-122	11/18/10 02:21	
4-Bromofluorobenzene	110	75-120	11/18/10 02:21	
Dibromofluoromethane	109	82-116	11/18/10 02:21	
Toluene-d8	114	88-117	11/18/10 02:21	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1425
Date Received: 11/10/10

Sample Name: MW-19A
Lab Code: J1005431-007

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	4.00	0.720	4	NA	11/18/10 02:49		226172	
1,1,1-Trichloroethane (TCA)	ND	U	4.00	0.680	4	NA	11/18/10 02:49		226172	
1,1,2,2-Tetrachloroethane	ND	U	4.00	0.440	4	NA	11/18/10 02:49		226172	
1,1,2-Trichloroethane	ND	U	4.00	0.680	4	NA	11/18/10 02:49		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	4.00	0.520	4	NA	11/18/10 02:49		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	4.00	0.640	4	NA	11/18/10 02:49		226172	
1,2,3-Trichloropropane	ND	U	8.00	1.68	4	NA	11/18/10 02:49		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	20.0	9.20	4	NA	11/18/10 02:49		226172	
1,2-Dibromoethane (EDB)	ND	U	4.00	0.680	4	NA	11/18/10 02:49		226172	
1,2-Dichlorobenzene	ND	U	4.00	1.92	4	NA	11/18/10 02:49		226172	
1,2-Dichloroethane	ND	U	4.00	0.720	4	NA	11/18/10 02:49		226172	
1,2-Dichloropropane	ND	U	4.00	0.480	4	NA	11/18/10 02:49		226172	
1,4-Dichlorobenzene	ND	U	4.00	0.400	4	NA	11/18/10 02:49		226172	
2-Butanone (MEK)	ND	U	40.0	15.2	4	NA	11/18/10 02:49		226172	
2-Hexanone	ND	U	100	8.80	4	NA	11/18/10 02:49		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	100	2.60	4	NA	11/18/10 02:49		226172	
Acetone	ND	U	200	22.4	4	NA	11/18/10 02:49		226172	
Acrylonitrile	ND	U	40.0	4.80	4	NA	11/18/10 02:49		226172	
Benzene	ND	U	4.00	0.840	4	NA	11/18/10 02:49		226172	
Bromochloromethane	ND	U	20.0	1.08	4	NA	11/18/10 02:49		226172	
Bromodichloromethane	ND	U	4.00	0.680	4	NA	11/18/10 02:49		226172	
Bromoform	ND	U	8.00	1.68	4	NA	11/18/10 02:49		226172	
Bromomethane	ND	U	4.00	0.880	4	NA	11/18/10 02:49		226172	
Carbon Disulfide	ND	U	40.0	9.44	4	NA	11/18/10 02:49		226172	
Carbon Tetrachloride	ND	U	4.00	1.36	4	NA	11/18/10 02:49		226172	
Chlorobenzene	ND	U	4.00	0.640	4	NA	11/18/10 02:49		226172	
Chloroethane	ND	U	20.0	0.880	4	NA	11/18/10 02:49		226172	
Chloroform	ND	U	4.00	1.40	4	NA	11/18/10 02:49		226172	
Chloromethane	ND	U	4.00	0.440	4	NA	11/18/10 02:49		226172	
cis-1,2-Dichloroethene	ND	U	4.00	1.44	4	NA	11/18/10 02:49		226172	
cis-1,3-Dichloropropene	ND	U	4.00	0.800	4	NA	11/18/10 02:49		226172	
Dibromochloromethane	ND	U	4.00	0.760	4	NA	11/18/10 02:49		226172	
Dibromomethane	ND	U	20.0	0.720	4	NA	11/18/10 02:49		226172	
Ethylbenzene	ND	U	4.00	0.840	4	NA	11/18/10 02:49		226172	
Iodomethane	ND	U	20.0	10.8	4	NA	11/18/10 02:49		226172	
m,p-Xylenes	ND	U	8.00	1.64	4	NA	11/18/10 02:49		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-19A
Lab Code: J1005431-007

Service Request: J1005431
Date Collected: 11/ 9/10 1425
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	20.0	0.840	4	NA	11/18/10 02:49		226172	
o-Xylene	ND	U	4.00	0.560	4	NA	11/18/10 02:49		226172	
Styrene	ND	U	4.00	1.17	4	NA	11/18/10 02:49		226172	
Tetrachloroethene (PCE)	ND	U	4.00	0.440	4	NA	11/18/10 02:49		226172	
Toluene	ND	U	4.00	0.760	4	NA	11/18/10 02:49		226172	
trans-1,2-Dichloroethene	ND	U	4.00	0.480	4	NA	11/18/10 02:49		226172	
trans-1,3-Dichloropropene	ND	U	4.00	0.920	4	NA	11/18/10 02:49		226172	
trans-1,4-Dichloro-2-butene	ND	U	80.0	8.80	4	NA	11/18/10 02:49		226172	
Trichloroethene (TCE)	ND	U	4.00	0.640	4	NA	11/18/10 02:49		226172	
Trichlorofluoromethane	ND	U	80.0	0.880	4	NA	11/18/10 02:49		226172	
Vinyl Acetate	ND	U	40.0	7.60	4	NA	11/18/10 02:49		226172	
Vinyl Chloride	ND	U	4.00	0.880	4	NA	11/18/10 02:49		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	71-122	11/18/10 02:49	
4-Bromofluorobenzene	106	75-120	11/18/10 02:49	
Dibromofluoromethane	108	82-116	11/18/10 02:49	
Toluene-d8	115	88-117	11/18/10 02:49	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-19C
Lab Code: J1005431-008

Service Request: J1005431
Date Collected: 11/ 9/10 1500
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 03:17		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 03:17		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 03:17		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 03:17		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 03:17		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 03:17		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 03:17		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 03:17		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 03:17		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 03:17		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 03:17		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 03:17		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 03:17		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 03:17		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 03:17		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 03:17		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 03:17		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 03:17		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 03:17		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 03:17		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 03:17		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 03:17		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 03:17		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 03:17		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 03:17		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 03:17		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 03:17		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 03:17		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 03:17		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 03:17		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 03:17		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 03:17		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 03:17		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 03:17		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 03:17		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 03:17		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: MW-19C
Lab Code: J1005431-008

Service Request: J1005431
Date Collected: 11/ 9/10 1500
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 03:17		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 03:17		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 03:17		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 03:17		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 03:17		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 03:17		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 03:17		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 03:17		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 03:17		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 03:17		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 03:17		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 03:17		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	71-122	11/18/10 03:17	
4-Bromofluorobenzene	106	75-120	11/18/10 03:17	
Dibromofluoromethane	105	82-116	11/18/10 03:17	
Toluene-d8	112	88-117	11/18/10 03:17	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: EB-2
Lab Code: J1005431-009

Service Request: J1005431
Date Collected: 11/ 9/10 1130
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 03:45		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 03:45		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 03:45		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 03:45		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 03:45		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 03:45		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 03:45		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 03:45		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 03:45		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 03:45		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 03:45		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 03:45		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 03:45		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 03:45		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 03:45		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 03:45		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 03:45		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 03:45		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 03:45		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 03:45		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 03:45		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 03:45		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 03:45		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 03:45		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 03:45		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 03:45		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 03:45		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 03:45		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 03:45		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 03:45		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 03:45		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 03:45		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 03:45		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 03:45		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 03:45		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 03:45		226172	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: EB-2
Lab Code: J1005431-009

Service Request: J1005431
Date Collected: 11/ 9/10 1130
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 03:45		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 03:45		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 03:45		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 03:45		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 03:45		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 03:45		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 03:45		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 03:45		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 03:45		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 03:45		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 03:45		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 03:45		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	71-122	11/18/10 03:45	
4-Bromofluorobenzene	108	75-120	11/18/10 03:45	
Dibromofluoromethane	109	82-116	11/18/10 03:45	
Toluene-d8	113	88-117	11/18/10 03:45	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 0000
Date Received: 11/10/10

Sample Name: Trip Blank
Lab Code: J1005431-010

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/18/10 04:12		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/18/10 04:12		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/18/10 04:12		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/18/10 04:12		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/18/10 04:12		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/18/10 04:12		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/18/10 04:12		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/18/10 04:12		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/18/10 04:12		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/18/10 04:12		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/18/10 04:12		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/18/10 04:12		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/18/10 04:12		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/18/10 04:12		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/18/10 04:12		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/18/10 04:12		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/18/10 04:12		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/18/10 04:12		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/18/10 04:12		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/18/10 04:12		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/18/10 04:12		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/18/10 04:12		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/18/10 04:12		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/18/10 04:12		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/18/10 04:12		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/18/10 04:12		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/18/10 04:12		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/18/10 04:12		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/18/10 04:12		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/18/10 04:12		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/18/10 04:12		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/18/10 04:12		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/18/10 04:12		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/18/10 04:12		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/18/10 04:12		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/18/10 04:12		226172	

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1005431-010

Service Request: J1005431
Date Collected: 11/ 9/10 0000
Date Received: 11/10/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/18/10 04:12		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/18/10 04:12		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/18/10 04:12		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/18/10 04:12		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/18/10 04:12		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/18/10 04:12		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/18/10 04:12		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/18/10 04:12		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/18/10 04:12		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/18/10 04:12		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/18/10 04:12		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/18/10 04:12		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	71-122	11/18/10 04:12	
4-Bromofluorobenzene	108	75-120	11/18/10 04:12	
Dibromofluoromethane	108	82-116	11/18/10 04:12	
Toluene-d8	114	88-117	11/18/10 04:12	

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005716-02

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/17/10 20:28		226172	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/17/10 20:28		226172	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/17/10 20:28		226172	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/17/10 20:28		226172	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/17/10 20:28		226172	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/17/10 20:28		226172	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/17/10 20:28		226172	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/17/10 20:28		226172	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/17/10 20:28		226172	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/17/10 20:28		226172	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/17/10 20:28		226172	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/17/10 20:28		226172	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/17/10 20:28		226172	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/17/10 20:28		226172	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/17/10 20:28		226172	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/17/10 20:28		226172	
Acetone	ND	U	50.0	5.60	1	NA	11/17/10 20:28		226172	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/17/10 20:28		226172	
Benzene	ND	U	1.00	0.210	1	NA	11/17/10 20:28		226172	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/17/10 20:28		226172	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/17/10 20:28		226172	
Bromoform	ND	U	2.00	0.420	1	NA	11/17/10 20:28		226172	
Bromomethane	ND	U	1.00	0.220	1	NA	11/17/10 20:28		226172	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/17/10 20:28		226172	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/17/10 20:28		226172	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/17/10 20:28		226172	
Chloroethane	ND	U	5.00	0.220	1	NA	11/17/10 20:28		226172	
Chloroform	ND	U	1.00	0.350	1	NA	11/17/10 20:28		226172	
Chloromethane	ND	U	1.00	0.110	1	NA	11/17/10 20:28		226172	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/17/10 20:28		226172	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/17/10 20:28		226172	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/17/10 20:28		226172	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/17/10 20:28		226172	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/17/10 20:28		226172	
Iodomethane	ND	U	5.00	2.68	1	NA	11/17/10 20:28		226172	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/17/10 20:28		226172	

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1005716-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B **Analysis Lot:** 226172

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/17/10 20:28		226172	
o-Xylene	ND	U	1.00	0.140	1	NA	11/17/10 20:28		226172	
Styrene	ND	U	1.00	0.291	1	NA	11/17/10 20:28		226172	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/17/10 20:28		226172	
Toluene	ND	U	1.00	0.190	1	NA	11/17/10 20:28		226172	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/17/10 20:28		226172	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/17/10 20:28		226172	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/17/10 20:28		226172	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/17/10 20:28		226172	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/17/10 20:28		226172	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/17/10 20:28		226172	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/17/10 20:28		226172	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	71-122	11/17/10 20:28	
4-Bromofluorobenzene	110	75-120	11/17/10 20:28	
Dibromofluoromethane	106	82-116	11/17/10 20:28	
Toluene-d8	115	88-117	11/17/10 20:28	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 0755
Date Received: 11/10/10

Sample Name: MW-2A
Lab Code: J1005431-001

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:19	
Arsenic, Total Recoverable	6020	**0.63**		µg/L	0.50	0.40	1	11/15/10	11/17/10 18:19	
Barium, Total Recoverable	6020	**23.5**		µg/L	2.0	0.3	1	11/15/10	11/17/10 18:19	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 18:19	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 18:19	
Chromium, Total Recoverable	6020	**1.3**	I	µg/L	2.0	0.3	1	11/15/10	11/17/10 18:19	
Cobalt, Total Recoverable	6020	**3.1**		µg/L	1.0	0.08	1	11/15/10	11/17/10 18:19	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 18:19	
Iron, Total Recoverable	6010B	**15000**		µg/L	100	10	1	11/15/10	11/16/10 20:03	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.06	1	11/15/10	11/17/10 18:19	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:19	
Nickel, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:19	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/15/10	11/17/10 18:19	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 18:19	
Sodium, Total Recoverable	6010B	**12.7**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:02	
Thallium, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 18:19	
Vanadium, Total Recoverable	6020	**0.9**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 18:19	
Zinc, Total Recoverable	6020	**3**	I	µg/L	10	2	1	11/15/10	11/17/10 18:19	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0730
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-2C		
Lab Code:	J1005431-002	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:24	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 18:24	
Barium, Total Recoverable	6020	**11.4**		µg/L	2.0	0.3	1	11/15/10	11/17/10 18:24	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 18:24	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 18:24	
Chromium, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.3	1	11/15/10	11/17/10 18:24	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.08	1	11/15/10	11/17/10 18:24	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 18:24	
Iron, Total Recoverable	6010B	**490**		µg/L	100	10	1	11/15/10	11/16/10 20:08	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.06	1	11/15/10	11/17/10 18:24	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:20	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:24	
Selenium, Total Recoverable	6020	**1.0**	I	µg/L	5.0	1.0	1	11/15/10	11/17/10 18:24	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 18:24	
Sodium, Total Recoverable	6010B	**4.43**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:06	
Thallium, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 18:24	
Vanadium, Total Recoverable	6020	**1.0**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 18:24	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 18:24	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0940
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-1A		
Lab Code:	J1005431-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	**0.8**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:49	
Arsenic, Total Recoverable	6020	**1.95**		µg/L	0.50	0.40	1	11/15/10	11/17/10 18:49	
Barium, Total Recoverable	6020	**13.2**		µg/L	2.0	0.3	1	11/15/10	11/17/10 18:49	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 18:49	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 18:49	
Chromium, Total Recoverable	6020	**2.1**		µg/L	2.0	0.3	1	11/15/10	11/17/10 18:49	
Cobalt, Total Recoverable	6020	**0.5**	I	µg/L	1.0	0.08	1	11/15/10	11/17/10 18:49	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 18:49	
Iron, Total Recoverable	6010B	**3110**		µg/L	100	10	1	11/15/10	11/16/10 20:12	
Lead, Total Recoverable	6020	**0.06**	I	µg/L	1.0	0.06	1	11/15/10	11/17/10 18:49	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:24	
Nickel, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:49	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/15/10	11/17/10 18:49	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 18:49	
Sodium, Total Recoverable	6010B	**18.2**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:11	
Thallium, Total Recoverable	6020	**0.08**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 18:49	
Vanadium, Total Recoverable	6020	**0.7**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 18:49	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 18:49	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 0905
Date Received: 11/10/10

Sample Name: MW-1C
Lab Code: J1005431-004

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:04	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 19:04	
Barium, Total Recoverable	6020	**11.1**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:04	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 19:04	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:04	
Chromium, Total Recoverable	6020	**0.9**	I	µg/L	2.0	0.3	1	11/15/10	11/17/10 19:04	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.08	1	11/15/10	11/17/10 19:04	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:04	
Iron, Total Recoverable	6010B	**420**		µg/L	100	10	1	11/15/10	11/16/10 20:16	
Lead, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.06	1	11/15/10	11/17/10 19:04	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:25	
Nickel, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:04	
Selenium, Total Recoverable	6020	**1.2**	I	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:04	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:04	
Sodium, Total Recoverable	6010B	**4.54**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:15	
Thallium, Total Recoverable	6020	**0.03**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:04	
Vanadium, Total Recoverable	6020	**1.7**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 19:04	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 19:04	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1235
Date Received: 11/10/10

Sample Name: MW-23A
Lab Code: J1005431-005

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Dissolved	6020	ND	U	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:49	
Antimony, Total Recoverable	6020	**0.4**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:09	
Arsenic, Dissolved	6020	**1.42**		µg/L	0.50	0.40	1	11/16/10	11/17/10 20:49	
Arsenic, Total Recoverable	6020	**1.31**		µg/L	0.50	0.40	1	11/15/10	11/17/10 19:09	
Barium, Dissolved	6020	**8.4**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:49	
Barium, Total Recoverable	6020	**9.4**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:09	
Beryllium, Dissolved	6020	ND	U	µg/L	1.0	0.2	1	11/16/10	11/17/10 20:49	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 19:09	
Cadmium, Dissolved	6020	ND	U	µg/L	0.50	0.30	1	11/16/10	11/17/10 20:49	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:09	
Chromium, Dissolved	6020	**9.1**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:49	
Chromium, Total Recoverable	6020	**5.3**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:09	
Cobalt, Dissolved	6020	**0.3**	I	µg/L	1.0	0.08	1	11/16/10	11/17/10 20:49	
Cobalt, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.08	1	11/15/10	11/17/10 19:09	
Copper, Dissolved	6020	ND	U	µg/L	2.0	1.0	1	11/16/10	11/17/10 20:49	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:09	
Iron, Dissolved	6010B	**1890**		µg/L	100	4	1	11/16/10	11/17/10 21:03	
Iron, Total Recoverable	6010B	**2120**		µg/L	100	10	1	11/15/10	11/16/10 20:21	
Lead, Dissolved	6020	**0.2**	I	µg/L	1.0	0.06	1	11/16/10	11/17/10 20:49	
Lead, Total Recoverable	6020	**1.6**		µg/L	1.0	0.06	1	11/15/10	11/17/10 19:09	
Mercury, Dissolved	7470A	ND	U	µg/L	0.20	0.08	1	11/29/10	11/29/10 16:00	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:31	
Nickel, Dissolved	6020	**1**	I	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:49	
Nickel, Total Recoverable	6020	**1.3**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:09	
Selenium, Dissolved	6020	**2.9**	I	µg/L	5.0	1.0	1	11/16/10	11/17/10 20:49	
Selenium, Total Recoverable	6020	**1.4**	I	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:09	
Silver, Dissolved	6020	ND	U	µg/L	2.5	0.4	5	11/16/10	11/22/10 18:16	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:09	
Sodium, Dissolved	6010B	**10.9**		mg/L	0.50	0.02	1	11/16/10	11/17/10 21:01	
Sodium, Total Recoverable	6010B	**10.2**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:19	
Thallium, Dissolved	6020	**0.2**	I	µg/L	1.0	0.03	1	11/16/10	11/17/10 20:49	
Thallium, Total Recoverable	6020	**0.05**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:09	
Vanadium, Dissolved	6020	**9.1**		µg/L	5.0	0.5	1	11/16/10	11/17/10 20:49	
Vanadium, Total Recoverable	6020	**9.1**		µg/L	5.0	0.5	1	11/15/10	11/17/10 19:09	
Zinc, Dissolved	6020	**2**	I	µg/L	10	2	1	11/16/10	11/17/10 20:49	
Zinc, Total Recoverable	6020	**2**	I	µg/L	10	2	1	11/15/10	11/17/10 19:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 1105
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-23C		
Lab Code:	J1005431-006	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:14	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 19:14	
Barium, Total Recoverable	6020	**9.4**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:14	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 19:14	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:14	
Chromium, Total Recoverable	6020	**1.5**	I	µg/L	2.0	0.3	1	11/15/10	11/17/10 19:14	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.08	1	11/15/10	11/17/10 19:14	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:14	
Iron, Total Recoverable	6010B	**560**		µg/L	100	10	1	11/15/10	11/16/10 20:32	
Lead, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.06	1	11/15/10	11/17/10 19:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:32	
Nickel, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:14	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:14	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:14	
Sodium, Total Recoverable	6010B	**4.88**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:30	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:14	
Vanadium, Total Recoverable	6020	**1.5**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 19:14	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 19:14	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1425
Date Received: 11/10/10

Sample Name: MW-19A
Lab Code: J1005431-007

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Dissolved	6020	ND	U	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:54	
Antimony, Total Recoverable	6020	**0.3**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:19	
Arsenic, Dissolved	6020	**6.34**		µg/L	0.50	0.40	1	11/16/10	11/17/10 20:54	
Arsenic, Total Recoverable	6020	**7.69**		µg/L	0.50	0.40	1	11/15/10	11/17/10 19:19	
Barium, Dissolved	6020	**24.1**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:54	
Barium, Total Recoverable	6020	**34.4**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:19	
Beryllium, Dissolved	6020	**0.6**	I	µg/L	1.0	0.2	1	11/16/10	11/17/10 20:54	
Beryllium, Total Recoverable	6020	**1.3**		µg/L	1.0	0.2	1	11/15/10	11/17/10 19:19	
Cadmium, Dissolved	6020	ND	U	µg/L	0.50	0.30	1	11/16/10	11/17/10 20:54	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:19	
Chromium, Dissolved	6020	**21.1**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:54	
Chromium, Total Recoverable	6020	**39.3**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:19	
Cobalt, Dissolved	6020	**1.3**		µg/L	1.0	0.08	1	11/16/10	11/17/10 20:54	
Cobalt, Total Recoverable	6020	**2.5**		µg/L	1.0	0.08	1	11/15/10	11/17/10 19:19	
Copper, Dissolved	6020	ND	U	µg/L	2.0	1.0	1	11/16/10	11/17/10 20:54	
Copper, Total Recoverable	6020	**1.1**	I	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:19	
Iron, Dissolved	6010B	**6300**		µg/L	100	4	1	11/16/10	11/17/10 21:07	
Iron, Total Recoverable	6010B	**11600**		µg/L	100	10	1	11/15/10	11/16/10 20:36	
Lead, Dissolved	6020	**1.1**		µg/L	1.0	0.06	1	11/16/10	11/17/10 20:54	
Lead, Total Recoverable	6020	**9.9**		µg/L	1.0	0.06	1	11/15/10	11/17/10 19:19	
Mercury, Dissolved	7470A	ND	U	µg/L	0.20	0.08	1	11/29/10	11/29/10 16:01	
Mercury, Total	7470A	**0.14**	I	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:33	
Nickel, Dissolved	6020	**2.1**		µg/L	2.0	0.2	1	11/16/10	11/17/10 20:54	
Nickel, Total Recoverable	6020	**7.1**		µg/L	2.0	0.2	1	11/15/10	11/17/10 19:19	
Selenium, Dissolved	6020	**3.9**	I	µg/L	5.0	1.0	1	11/16/10	11/17/10 20:54	
Selenium, Total Recoverable	6020	**4.9**	I	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:19	
Silver, Dissolved	6020	ND	U	µg/L	2.5	0.4	5	11/16/10	11/22/10 18:19	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:19	
Sodium, Dissolved	6010B	**22.4**		mg/L	0.50	0.02	1	11/16/10	11/17/10 21:06	
Sodium, Total Recoverable	6010B	**21.4**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:35	
Thallium, Dissolved	6020	**0.2**	I	µg/L	1.0	0.03	1	11/16/10	11/17/10 20:54	
Thallium, Total Recoverable	6020	**0.04**	I	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:19	
Vanadium, Dissolved	6020	**25.3**		µg/L	5.0	0.5	1	11/16/10	11/17/10 20:54	
Vanadium, Total Recoverable	6020	**35.7**		µg/L	5.0	0.5	1	11/15/10	11/17/10 19:19	
Zinc, Dissolved	6020	**3**	I	µg/L	10	2	1	11/16/10	11/17/10 20:54	
Zinc, Total Recoverable	6020	**2**	I	µg/L	10	2	1	11/15/10	11/17/10 19:19	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1500
Date Received: 11/10/10

Sample Name: MW-19C
Lab Code: J1005431-008

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Dissolved	6020	ND	U	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:59	
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:24	
Arsenic, Dissolved	6020	**1.62**		µg/L	0.50	0.40	1	11/16/10	11/17/10 20:59	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 19:24	
Barium, Dissolved	6020	**8.3**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:59	
Barium, Total Recoverable	6020	**49.9**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:24	
Beryllium, Dissolved	6020	ND	U	µg/L	1.0	0.2	1	11/16/10	11/17/10 20:59	
Beryllium, Total Recoverable	6020	**0.3**	I	µg/L	1.0	0.2	1	11/15/10	11/17/10 19:24	
Cadmium, Dissolved	6020	ND	U	µg/L	0.50	0.30	1	11/16/10	11/17/10 20:59	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:24	
Chromium, Dissolved	6020	**9.3**		µg/L	2.0	0.3	1	11/16/10	11/17/10 20:59	
Chromium, Total Recoverable	6020	**3.9**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:24	
Cobalt, Dissolved	6020	**0.3**	I	µg/L	1.0	0.08	1	11/16/10	11/17/10 20:59	
Cobalt, Total Recoverable	6020	**0.1**	I	µg/L	1.0	0.08	1	11/15/10	11/17/10 19:24	
Copper, Dissolved	6020	ND	U	µg/L	2.0	1.0	1	11/16/10	11/17/10 20:59	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:24	
Iron, Dissolved	6010B	**650**		µg/L	100	4	1	11/16/10	11/17/10 21:25	
Iron, Total Recoverable	6010B	**1090**		µg/L	100	10	1	11/15/10	11/16/10 20:41	
Lead, Dissolved	6020	**0.2**	I	µg/L	1.0	0.06	1	11/16/10	11/17/10 20:59	
Lead, Total Recoverable	6020	**0.4**	I	µg/L	1.0	0.06	1	11/15/10	11/17/10 19:24	
Mercury, Dissolved	7470A	ND	U	µg/L	0.20	0.08	1	11/29/10	11/29/10 16:02	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:34	
Nickel, Dissolved	6020	**1.0**	I	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:59	
Nickel, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:24	
Selenium, Dissolved	6020	**2.7**	I	µg/L	5.0	1.0	1	11/16/10	11/17/10 20:59	
Selenium, Total Recoverable	6020	**1.2**	I	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:24	
Silver, Dissolved	6020	ND	U	µg/L	2.5	0.4	5	11/16/10	11/22/10 18:23	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:24	
Sodium, Dissolved	6010B	**10.1**		mg/L	0.50	0.02	1	11/16/10	11/17/10 21:24	
Sodium, Total Recoverable	6010B	**9.19**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:39	
Thallium, Dissolved	6020	**0.2**	I	µg/L	1.0	0.03	1	11/16/10	11/17/10 20:59	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:24	
Vanadium, Dissolved	6020	**9.1**		µg/L	5.0	0.5	1	11/16/10	11/17/10 20:59	
Vanadium, Total Recoverable	6020	**5.2**		µg/L	5.0	0.5	1	11/15/10	11/17/10 19:24	
Zinc, Dissolved	6020	ND	U	µg/L	10	2	1	11/16/10	11/17/10 20:59	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 19:24	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1130
Date Received: 11/10/10

Sample Name: EB-2
Lab Code: J1005431-009

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:29	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 19:29	
Barium, Total Recoverable	6020	**31.7**		µg/L	2.0	0.3	1	11/15/10	11/17/10 19:29	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 19:29	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 19:29	
Chromium, Total Recoverable	6020	**0.5**	I	µg/L	2.0	0.3	1	11/15/10	11/17/10 19:29	
Cobalt, Total Recoverable	6020	**0.09**	I	µg/L	1.0	0.08	1	11/15/10	11/17/10 19:29	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 19:29	
Iron, Total Recoverable	6010B	**630**		µg/L	100	10	1	11/15/10	11/16/10 20:45	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.06	1	11/15/10	11/17/10 19:29	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 14:11	
Nickel, Total Recoverable	6020	**1**	I	µg/L	2.0	0.2	1	11/15/10	11/17/10 19:29	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/15/10	11/17/10 19:29	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 19:29	
Sodium, Total Recoverable	6010B	**36.9**		mg/L	0.50	0.02	1	11/15/10	11/16/10 20:44	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.03	1	11/15/10	11/17/10 19:29	
Vanadium, Total Recoverable	6020	**3.2**	I	µg/L	5.0	0.5	1	11/15/10	11/17/10 19:29	
Zinc, Total Recoverable	6020	**6**	I	µg/L	10	2	1	11/15/10	11/17/10 19:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005431-MB	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Dissolved	6020	ND	U	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:34	
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:09	
Arsenic, Dissolved	6020	ND	U	µg/L	0.50	0.40	1	11/16/10	11/17/10 20:34	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/15/10	11/17/10 18:09	
Barium, Dissolved	6020	ND	U	µg/L	2.0	0.3	1	11/16/10	11/17/10 20:34	
Barium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/15/10	11/17/10 18:09	
Beryllium, Dissolved	6020	ND	U	µg/L	1.0	0.2	1	11/16/10	11/17/10 20:34	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/15/10	11/17/10 18:09	
Cadmium, Dissolved	6020	ND	U	µg/L	0.50	0.30	1	11/16/10	11/17/10 20:34	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/15/10	11/17/10 18:09	
Chromium, Dissolved	6020	ND	U	µg/L	2.0	0.3	1	11/16/10	11/17/10 20:34	
Chromium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/15/10	11/17/10 18:09	
Cobalt, Dissolved	6020	ND	U	µg/L	1.0	0.08	1	11/16/10	11/17/10 20:34	
Cobalt, Total Recoverable	6020	**0.2**	I	µg/L	1.0	0.08	1	11/15/10	11/17/10 18:09	
Copper, Dissolved	6020	ND	U	µg/L	2.0	1.0	1	11/16/10	11/17/10 20:34	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/15/10	11/17/10 18:09	
Iron, Dissolved	6010B	ND	U	µg/L	100	4	1	11/16/10	11/17/10 20:50	
Iron, Total Recoverable	6010B	**10**	I	µg/L	100	4	1	11/15/10	11/16/10 18:59	
Lead, Dissolved	6020	ND	U	µg/L	1.0	0.06	1	11/16/10	11/17/10 20:34	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.06	1	11/15/10	11/17/10 18:09	
Mercury, Dissolved	7470A	ND	U	µg/L	0.20	0.08	1	11/29/10	11/29/10 15:57	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/15/10	11/16/10 13:16	
Nickel, Dissolved	6020	ND	U	µg/L	2.0	0.2	1	11/16/10	11/17/10 20:34	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/15/10	11/17/10 18:09	
Selenium, Dissolved	6020	**1.3**	I	µg/L	5.0	1.0	1	11/16/10	11/17/10 20:34	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/15/10	11/17/10 18:09	
Silver, Dissolved	6020	ND	U	µg/L	0.50	0.07	1	11/16/10	11/22/10 17:56	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/15/10	11/17/10 18:09	
Sodium, Dissolved	6010B	ND	U	mg/L	0.50	0.02	1	11/16/10	11/17/10 20:48	
Sodium, Total Recoverable	6010B	ND	U	mg/L	0.50	0.02	1	11/15/10	11/16/10 18:57	
Thallium, Dissolved	6020	**0.2**	I	µg/L	1.0	0.03	1	11/16/10	11/17/10 20:34	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.03	1	11/15/10	11/17/10 18:09	
Vanadium, Dissolved	6020	**0.9**	I	µg/L	5.0	0.5	1	11/16/10	11/17/10 20:34	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/15/10	11/17/10 18:09	
Zinc, Dissolved	6020	ND	U	µg/L	10	2	1	11/16/10	11/17/10 20:34	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/15/10	11/17/10 18:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0755
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-2A		
Lab Code:	J1005431-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**1.65**		mg/L	0.010	0.004	1	NA	11/15/10 13:04	
Chloride	300.0	**39.7**		mg/L	0.50	0.09	1	NA	11/10/10 21:40	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 21:40	
Solids, Total Dissolved	SM 2540 C	**80**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0730
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-2C		
Lab Code:	J1005431-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.088**		mg/L	0.010	0.004	1	NA	11/15/10 13:05	
Chloride	300.0	**6.29**		mg/L	0.50	0.09	1	NA	11/10/10 21:55	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 21:55	
Solids, Total Dissolved	SM 2540 C	**24**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 0940
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-1A		
Lab Code:	J1005431-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**4.72**		mg/L	0.010	0.004	1	NA	11/15/10 13:13	
Chloride	300.0	**38.6**		mg/L	0.50	0.09	1	NA	11/10/10 22:09	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 22:09	
Solids, Total Dissolved	SM 2540 C	**80**		mg/L	10	10	1	NA	11/11/10 11:53	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 0905
Date Received: 11/10/10

Sample Name: MW-1C
Lab Code: J1005431-004

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.073**		mg/L	0.010	0.004	1	NA	11/15/10 13:14	
Chloride	300.0	**7.14**		mg/L	0.50	0.09	1	NA	11/10/10 22:54	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 22:54	
Solids, Total Dissolved	SM 2540 C	**48**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 1235
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-23A		
Lab Code:	J1005431-005	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**9.90**		mg/L	0.010	0.004	1	NA	11/15/10 13:16	
Chloride	300.0	**14.6**		mg/L	0.50	0.09	1	NA	11/10/10 23:09	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 23:09	
Solids, Total Dissolved	SM 2540 C	**214**		mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 1105
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	MW-23C		
Lab Code:	J1005431-006	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.134**		mg/L	0.010	0.004	1	NA	11/15/10 13:17	
Chloride	300.0	**7.56**		mg/L	0.50	0.09	1	NA	11/10/10 23:24	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 23:24	
Solids, Total Dissolved	SM 2540 C	**66**		mg/L	10	10	1	NA	11/11/10 11:53	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1425
Date Received: 11/10/10

Sample Name: MW-19A
Lab Code: J1005431-007

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**21.6**		mg/L	0.10	0.04	10	NA	11/15/10 13:37	
Chloride	300.0	**14.5**		mg/L	0.50	0.09	1	NA	11/11/10 00:09	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/11/10 00:09	
Solids, Total Dissolved	SM 2540 C	**972**		mg/L	10	10	1	NA	11/12/10 13:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/ 9/10 1500
Date Received: 11/10/10

Sample Name: MW-19C
Lab Code: J1005431-008

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**0.113**		mg/L	0.010	0.004	1	NA	11/15/10 13:38	
Chloride	300.0	**17.5**		mg/L	0.50	0.09	1	NA	11/11/10 00:24	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/11/10 00:24	
Solids, Total Dissolved	SM 2540 C	**79**		mg/L	10	10	1	NA	11/12/10 13:55	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/ 9/10 1130
Sample Matrix:	Water	**Date Received:**	11/10/10
Sample Name:	EB-2		
Lab Code:	J1005431-009	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 13:25	
Chloride	300.0	**87.5**		mg/L	0.50	0.09	1	NA	11/11/10 00:39	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/11/10 00:39	
Solids, Total Dissolved	SM 2540 C	**564**		mg/L	10	10	1	NA	11/12/10 13:55	

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005431-MB1	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 12:27	
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/10/10 19:55	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/10/10 19:55	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/11/10 11:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005431-MB2	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 13:14	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/12/10 13:55	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
MW-2A	J1005431-001	101	107	108	113
MW-2C	J1005431-002	98	107	106	115
MW-1A	J1005431-003	99	108	105	111
MW-1C	J1005431-004	103	108	108	113
MW-23A	J1005431-005	100	106	106	115
MW-23C	J1005431-006	100	110	109	114
MW-19A	J1005431-007	103	106	108	115
MW-19C	J1005431-008	103	106	105	112
EB-2	J1005431-009	102	108	109	113
Trip Blank	J1005431-010	102	108	108	114
Method Blank	JQ1005716-02	100	110	106	115
Lab Control Sample	JQ1005716-01	99	107	107	115

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/17/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226172

Lab Control Sample
JQ1005716-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	21.2	20.0	106	85 - 117
1,1,1-Trichloroethane (TCA)	19.2	20.0	96	79 - 124
1,1,2,2-Tetrachloroethane	20.8	20.0	104	83 - 120
1,1,2-Trichloroethane	21.6	20.0	108	86 - 114
1,1-Dichloroethane (1,1-DCA)	19.1	20.0	95	80 - 128
1,1-Dichloroethene (1,1-DCE)	19.8	20.0	99	78 - 130
1,2,3-Trichloropropane	21.1	20.0	106	83 - 123
1,2-Dibromo-3-chloropropane (DBCP)	19.6	20.0	98	62 - 123
1,2-Dibromoethane (EDB)	21.6	20.0	108	88 - 117
1,2-Dichlorobenzene	18.5	20.0	93	84 - 115
1,2-Dichloroethane	17.1	20.0	85	80 - 124
1,2-Dichloropropane	19.9	20.0	100	79 - 123
1,4-Dichlorobenzene	18.7	20.0	94	83 - 113
2-Butanone (MEK)	85.7	100	86	73 - 127
2-Hexanone	91.6	100	92	71 - 138
4-Methyl-2-pentanone (MIBK)	90.8	100	91	72 - 136
Acetone	91.9	100	92	67 - 133
Acrylonitrile	85.7	100	86	77 - 127
Benzene	19.4	20.0	97	79 - 119
Bromochloromethane	20.2	20.0	101	79 - 129
Bromodichloromethane	19.9	20.0	99	81 - 123
Bromoform	20.3	20.0	102	68 - 129
Bromomethane	22.9	20.0	114	79 - 130
Carbon Disulfide	100	100	100	76 - 138
Carbon Tetrachloride	19.2	20.0	96	81 - 125
Chlorobenzene	21.4	20.0	107	86 - 113
Chloroethane	20.8	20.0	104	74 - 126
Chloroform	19.9	20.0	100	83 - 124
Chloromethane	16.6	20.0	83	67 - 135
cis-1,2-Dichloroethene	18.6	20.0	93	80 - 126
cis-1,3-Dichloropropene	20.6	20.0	103	86 - 123
Dibromochloromethane	21.6	20.0	108	82 - 121

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/17/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226172

Lab Control Sample
JQ1005716-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dibromomethane	19.2	20.0	96	83 - 123
Ethylbenzene	21.0	20.0	105	90 - 118
Iodomethane	100	100	100	68 - 134
m,p-Xylenes	41.2	40.0	103	86 - 121
Methylene Chloride	19.7	20.0	98	72 - 124
o-Xylene	20.6	20.0	103	89 - 119
Styrene	20.5	20.0	102	89 - 122
Tetrachloroethene (PCE)	21.7	20.0	109	80 - 121
Toluene	20.6	20.0	103	86 - 117
trans-1,2-Dichloroethene	18.6	20.0	93	77 - 124
trans-1,3-Dichloropropene	20.1	20.0	101	83 - 124
trans-1,4-Dichloro-2-butene	11.4	20.0	57	53 - 143
Trichloroethene (TCE)	20.5	20.0	103	76 - 124
Trichlorofluoromethane	20.0	20.0	100	74 - 134
Vinyl Acetate	72.3	100	72	61 - 148
Vinyl Chloride	19.0	20.0	95	78 - 132

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/17/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-2C
Lab Code: J1005431-002

Units: µg/L
Basis: NA

Analytical Method: 6020
Prep Method: EPA 3020A

		MW-2CMS Matrix Spike J1005431-002MS1			MW-2CDMS Duplicate Matrix Spike J1005431-D002MS1					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	ND	52.0	50.0	104	50.4	50.0	101	75 - 125	3	20
Arsenic, Total Recoverable	ND	50.2	50.0	100	48.6	50.0	97	75 - 125	3	20
Barium, Total Recoverable	11.4	61.3	50.0	100	59.9	50.0	97	75 - 125	2	20
Beryllium, Total Recoverable	ND	49.9	50.0	100	48.2	50.0	96	75 - 125	4	20
Cadmium, Total Recoverable	ND	49.7	50.0	99	48.6	50.0	97	75 - 125	2	20
Chromium, Total Recoverable	0.3	49.0	50.0	97	47.3	50.0	94	75 - 125	3	20
Cobalt, Total Recoverable	ND	49.0	50.0	98	47.7	50.0	95	75 - 125	3	20
Copper, Total Recoverable	ND	49.4	50.0	99	46.9	50.0	94	75 - 125	5	20
Lead, Total Recoverable	ND	49.7	50.0	99	47.8	50.0	96	75 - 125	4	20
Nickel, Total Recoverable	ND	48.6	50.0	97	46.9	50.0	94	75 - 125	4	20
Selenium, Total Recoverable	1.0	46.3	50.0	90	45.1	50.0	88	75 - 125	3	20
Silver, Total Recoverable	ND	50.9	50.0	102	49.3	50.0	99	75 - 125	3	20
Thallium, Total Recoverable	0.1	49.4	50.0	99	48.8	50.0	97	75 - 125	1	20
Vanadium, Total Recoverable	1.0	48.6	50.0	95	49.0	50.0	96	75 - 125	<1	20
Zinc, Total Recoverable	ND	100	100	100	97.1	100	97	75 - 125	3	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/16/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-1C
Lab Code: J1005431-004

Units: µg/L
Basis: NA

Analytical Method: 7470A
Prep Method: Method

		MW-1CMS Matrix Spike J1005431-004MS2			MW-1CDMS Duplicate Matrix Spike J1005431-D004MS2					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Mercury, Total	ND	5.02	5.00	100	5.04	5.00	101	75 - 125	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005431
Project:	JED SWDF	**Date Collected:**	11/9/10
Sample Matrix:	Water	**Date Received:**	11/10/10
		Date Analyzed:	11/17/10

Matrix Spike Summary
Inorganic Parameters

Sample Name:	MW-19A	**Units:**	µg/L
Lab Code:	J1005431-007	**Basis:**	NA

Analytical Method: 6010B
Prep Method: EPA 3005A

		MW-19AMS Matrix Spike J1005431-007MS3			MW-19ADMS Duplicate Matrix Spike J1005431-D007MS3					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Dissolved	6300	8090	2000	89	8100	2000	90	75 - 125	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/17/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-19A
Lab Code: J1005431-007

Units: mg/L
Basis: NA

Analytical Method: 6010B
Prep Method: EPA 3005A

		MW-19AMS Matrix Spike J1005431-007MS3			MW-19ADMS Duplicate Matrix Spike J1005431-D007MS3					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sodium, Dissolved	22.4	31.3	10.0	89	31.3	10.0	89	75 - 125	<1	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/17/10 - 11/22/10

Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-19C
Lab Code: J1005431-008

Units: µg/L
Basis: NA

Analytical Method: 6020
Prep Method: EPA 3005A Modified

		MW-19CMS Matrix Spike J1005431-008MS4				MW-19CDMS Duplicate Matrix Spike J1005431-D008MS4					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Dissolved	ND	41.5	50.0	83		41.2	50.0	82		75 - 125	<1	20
Arsenic, Dissolved	1.62	49.1	50.0	95		48.1	50.0	93		75 - 125	2	20
Barium, Dissolved	8.3	54.3	50.0	92		52.9	50.0	89		75 - 125	3	20
Beryllium, Dissolved	ND	44.6	50.0	89		43.9	50.0	88		75 - 125	2	20
Cadmium, Dissolved	ND	45.7	50.0	91		45.2	50.0	90		75 - 125	<1	20
Chromium, Dissolved	9.3	50.2	50.0	82		49.7	50.0	81		75 - 125	1	20
Cobalt, Dissolved	0.3	43.7	50.0	87		42.8	50.0	85		75 - 125	2	20
Copper, Dissolved	ND	39.8	50.0	80		40.2	50.0	80		75 - 125	1	20
Lead, Dissolved	0.2	45.6	50.0	91		45.2	50.0	90		75 - 125	<1	20
Nickel, Dissolved	1.0	43.8	50.0	86		43.2	50.0	84		75 - 125	1	20
Selenium, Dissolved	2.7	35.9	50.0	66	*	37.1	50.0	69	*	75 - 125	3	20
Silver, Dissolved	ND	22.9	50.0	46	*	20.8	50.0	42	*	75 - 125	10	20
Thallium, Dissolved	0.2	46.6	50.0	93		46.0	50.0	92		75 - 125	1	20
Vanadium, Dissolved	9.1	51.2	50.0	84		50.5	50.0	83		75 - 125	1	20
Zinc, Dissolved	ND	91.5	100	91		90.4	100	90		75 - 125	1	20

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

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

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

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/16/10 - 11/29/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005431-LCS Result	Spike Amount	% Rec	% Rec Limits
Antimony, Dissolved	6020	48.1	50.0	96	80 - 120
Antimony, Total Recoverable	6020	50.5	50.0	101	80 - 120
Arsenic, Dissolved	6020	48.1	50.0	96	80 - 120
Arsenic, Total Recoverable	6020	50.2	50.0	100	80 - 120
Barium, Dissolved	6020	49.1	50.0	98	80 - 120
Barium, Total Recoverable	6020	49.4	50.0	99	80 - 120
Beryllium, Dissolved	6020	50.0	50.0	100	80 - 120
Beryllium, Total Recoverable	6020	49.1	50.0	98	80 - 120
Cadmium, Dissolved	6020	48.2	50.0	96	80 - 120
Cadmium, Total Recoverable	6020	48.0	50.0	96	80 - 120
Chromium, Dissolved	6020	47.6	50.0	95	80 - 120
Chromium, Total Recoverable	6020	47.6	50.0	95	80 - 120
Cobalt, Dissolved	6020	47.9	50.0	96	80 - 120
Cobalt, Total Recoverable	6020	48.6	50.0	97	80 - 120
Copper, Dissolved	6020	47.6	50.0	95	80 - 120
Copper, Total Recoverable	6020	49.0	50.0	98	80 - 120
Iron, Dissolved	6010B	1890	2000	95	80 - 120
Iron, Total Recoverable	6010B	2060	2000	103	80 - 120
Lead, Dissolved	6020	48.0	50.0	96	80 - 120
Lead, Total Recoverable	6020	48.8	50.0	98	80 - 120
Mercury, Dissolved	7470A	5.68	5.26	108	80 - 120
Mercury, Total	7470A	5.05	5.00	101	80 - 120
Nickel, Dissolved	6020	47.2	50.0	94	80 - 120
Nickel, Total Recoverable	6020	48.4	50.0	97	80 - 120
Selenium, Dissolved	6020	47.2	50.0	94	80 - 120
Selenium, Total Recoverable	6020	49.7	50.0	99	80 - 120
Silver, Dissolved	6020	48.2	50.0	96	80 - 120
Silver, Total Recoverable	6020	49.9	50.0	100	80 - 120
Thallium, Dissolved	6020	48.2	50.0	96	80 - 120
Thallium, Total Recoverable	6020	48.4	50.0	97	80 - 120
Vanadium, Dissolved	6020	47.2	50.0	94	80 - 120
Vanadium, Total Recoverable	6020	48.2	50.0	96	80 - 120
Zinc, Dissolved	6020	96.8	100	97	80 - 120
Zinc, Total Recoverable	6020	97.0	100	97	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/16/10 - 11/29/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

		Lab Control Sample J1005431-LCS			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Sodium, Dissolved	6010B	9.46	10.0	95	80 - 120
Sodium, Total Recoverable	6010B	10.0	10.0	100	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/10/10 - 11/15/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-23C
Lab Code: J1005431-006

Units: mg/L
Basis: NA

MW-23CMS
Matrix Spike
J1005431-006MS

Analyte Name	Method	Sample Result	Spike Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.134	1.05	1.00	92	90 - 110
Chloride	300.0	7.56	56.0	50.0	97	90 - 110
Nitrate as Nitrogen	300.0	ND	4.52	5.00	90	90 - 110

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Collected: 11/9/10
Date Received: 11/10/10
Date Analyzed: 11/10/10 - 11/15/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-23C
Lab Code: J1005431-006

Units: mg/L
Basis: NA

Analyte Name	Method	MRL	MDL	Sample Result	MW-23CDUP Duplicate Sample J1005431-006DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.004	0.134	0.114	0.124	16	20
Chloride	300.0	0.50	0.09	7.56	7.62	7.59	<1	20
Nitrate as Nitrogen	300.0	0.20	0.07	ND U	ND U	NC	NC	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/12/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

		Lab Control Sample J1005431-LCS1			Duplicate Lab Control Sample J1005431-DLCS1					
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Solids, Total Dissolved	SM 2540 C	290	300	97	302	300	101	85 - 115	4	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/10/10 - 11/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005431-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.973	1.00	97	90 - 110
Chloride	300.0	50.2	50.0	100	90 - 110
Nitrate as Nitrogen	300.0	4.72	5.00	94	90 - 110
Solids, Total Dissolved	SM 2540 C	284	300	95	85 - 115

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005431
Date Analyzed: 11/12/10 - 11/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005431-LCS3 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.985	1.00	99	90 - 110
Solids, Total Dissolved	SM 2540 C	28.0	30	93	70 - 130

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

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

Cooler Receipt Form

Client: EPS Service Request #: J1005431

Project: JED SWDF

Cooler received on 11-10-10 and opened on 11-10-10 by CAS

COURIER: CAS UPS FEDEX Client Other _____ Airbill #_____

1	Were custody seals on outside of cooler?	Yes	No		
	If yes, how many and where?	#: 1 on	Cid	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)	2.5°			
5	Thermometer ID	TB			
6	Temperature Blank Present?	Yes	No		
7	Were Ice or Ice Packs present	Ice	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A	
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A	
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A	
	~~HNO3 pH<2~~ ~~H2SO4 pH<2~~ ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	Yes	No	N/A	
15	Were VOA vials checked for absence of air bubbles? If present, note below	Yes	No	N/A	
16	Where did the bottles originate?	CAS	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J 1005931 Date: 11-10-10 Initials: CAB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Container	40mL G	40mL G	40mL G	125mL P	125mL P	125mL P	125mL P	250mL P	250mL P	250mL P	250mL P	250mL P	250mL G	250mL G	500mL P	500mL P	500mL P	500mL P	500mL G	1L P	1L P	1L G	1L G	1L G	2oz G	4oz G	8oz G	16oz G	100ml P	Ziplock P	Misc. Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-				-	-		-	
-1	3	3				1		1		1														-								-1
-2	1	1				1		1		1																						-2
-3	1	1				1		1		1																						-3
-4	1	1				1		1		1																						-4
-5	1	1				1		1		2																						-5
-6	1	1				1		1		1																						-6
-7	1	1				1		1		2																						-7
-8	1	1				1		1		2																						-8
-9	1	1				1		1		1																						-9
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NOTE: VOA pH checks are performed by the analytical area, not sample control

Columbia Analytical Services™ CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

www.caslab.com

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

SR # 5100 5431
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@enplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-398-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and*

[redacted]

PRESERVATIVE: 1 0 3 2 0 2

NUMBER OF CONTAINERS | 8260 | 8011 | NH3 | Metals | TDS, Cl, NO3 | Dissolved Metals

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

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	Metals	TDS, Cl, NO3	Dissolved Metals	REMARKS/ ALTERNATE DESCRIPTION
MW-2A		11-9-10	0755	GW	9	X	X	X	X	X		
MW-2C			0730		9							
MW-1A			0940		9							
MW-1C			0905		9							
MW-23A			1235		10						X	
MW-23C			1105		9							
MW-19A			1425	↓	10						X	
MW-19C		↓	1500	GW	10	↓	↓	↓	↓	↓	X	
EB-2		11-9-10	1130	DI H_2O	9	X	X	X	X	X		
Trip Blank		10-25-10	1000	DI H_2O	2	X						

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10313-JED-1

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_X_ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Joe Terry	Printed Name: Charles Darrigo	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: EPS	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 11-9-10/ 1600	Date/Time: 11-10-10 0911	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Monday, November 22, 2010

Columbia Analytical Svcs. (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for
Project Number: J1005431, Project Name/Desc: J1005431
ENCO Workorder: B005427

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, November 12, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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

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

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

Sincerely,

Lindsay J Crawford For Chris Tompkins

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 15.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-2A	Lab ID: B005427-01	Sampled: 11/09/10 07:55	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 14:07

Client ID: MW-2C	Lab ID: B005427-02	Sampled: 11/09/10 07:30	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 14:19

Client ID: MW-1A	Lab ID: B005427-03	Sampled: 11/09/10 09:40	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 14:33

Client ID: MW-1C	Lab ID: B005427-04	Sampled: 11/09/10 09:05	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 14:47

Client ID: MW-23A	Lab ID: B005427-05	Sampled: 11/09/10 12:35	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 15:00

Client ID: MW-23C	Lab ID: B005427-06	Sampled: 11/09/10 11:05	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 15:14

Client ID: MW-19A	Lab ID: B005427-07	Sampled: 11/09/10 14:25	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 15:27

Client ID: MW-19C	Lab ID: B005427-08	Sampled: 11/09/10 15:00	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 15:39

Client ID: EB-2	Lab ID: B005427-09	Sampled: 11/09/10 11:30	Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8011	11/23/10 12/01/10	11/17/10 10:25	11/19/2010 15:52

SAMPLE DETECTION SUMMARY

No positive results detected.

www.encolabs.com

ANALYTICAL RESULTS

Description: MW-2A
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-01
Sampled: 11/09/10 07:55
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:07	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:07	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.19*	*1*	*0.250*	*75 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 14:07*	*JSW*	

Description: MW-2C
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-02
Sampled: 11/09/10 07:30
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - *ENCO Jacksonville certified analyte [NELAC E82277]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:19	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:19	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.17*	*1*	*0.250*	*70 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 14:19*	*JSW*	

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Description: MW-1A
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-03
Sampled: 11/09/10 09:40
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:33	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:33	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.18*	*1*	*0.250*	*73 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 14:33*	*JSW*	

Description: MW-1C
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-04
Sampled: 11/09/10 09:05
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:47	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 14:47	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.15*	*1*	*0.250*	*61 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 14:47*	*JSW*	

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Description: MW-23A
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-05
Sampled: 11/09/10 12:35
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:00	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:00	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.17*	*1*	*0.250*	*67 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 15:00*	*JSW*	

Description: MW-23C
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-06
Sampled: 11/09/10 11:05
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:14	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:14	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.19*	*1*	*0.250*	*75 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 15:14*	*JSW*	

Description: MW-19A
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-07
Sampled: 11/09/10 14:25
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:27	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:27	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.16*	*1*	*0.250*	*66 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 15:27*	*JSW*	

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Description: MW-19C
Matrix: Water
Project: J1005431

Lab Sample ID: B005427-08
Sampled: 11/09/10 15:00
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005427

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:39	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:39	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.18*	*1*	*0.250*	*71 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 15:39*	*JSW*	

Description: EB-2 | **Lab Sample ID:** B005427-09 | **Received:** 11/12/10 09:16
Matrix: Water | **Sampled:** 11/09/10 11:30 | **Work Order:** B005427
Project: J1005431 | **Sampled By:** Client

Semivolatile Organic Compounds by GC

^ - *ENCO Jacksonville certified analyte [NELAC E82277]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:52	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K17013	EPA 8011	11/19/10 15:52	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.17*	*1*	*0.250*	*70 %*	*33-122*	*0K17013*	*EPA 8011*	*11/19/10 15:52*	*JSW*	

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 0K17013 - EPA 8011

Blank (0K17013-BLK1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.012	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.21*			*ug/L*	*0.250*		*84*	*33-122*			

LCS (0K17013-BS1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250		101	60-140			
1,2-Dibromoethane	0.24		0.020	ug/L	0.250		97	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.22*			*ug/L*	*0.250*		*86*	*33-122*			

Matrix Spike (0K17013-MS1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:53

Source: B005424-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	89	60-140			
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	102	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.21*			*ug/L*	*0.250*		*86*	*33-122*			

Matrix Spike Dup (0K17013-MSD1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 12:05

Source: B005424-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.23		0.020	ug/L	0.250	0.012 U	93	60-140	5	20	
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	100	60-140	2	20	
Surrogate: 1,1,1,2-Tetrachloroethane	*0.30*			*ug/L*	*0.250*		*120*	*33-122*			

FLAGS/NOTES AND DEFINITIONS

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

Columbia Analytical Services, Inc. Chain of Custody

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

CAS Contact: Craig Myers

B005427

Project Number: J1005431
Project Manager: Craig Myers

MISC_OUT_1 - None 1108

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	
J1005431-001	MW-2A	3	Water	11/9/10	0755	ENCO	X
J1005431-002	MW-2C		Water	11/9/10	0730	ENCO	
J1005431-003	MW-1A		Water	11/9/10	0940	ENCO	
J1005431-004	MW-1C		Water	11/9/10	0905	ENCO	
J1005431-005	MW-23A		Water	11/9/10	1235	ENCO	
J1005431-006	MW-23C		Water	11/9/10	1105	ENCO	
J1005431-007	MW-19A		Water	11/9/10	1425	ENCO	
J1005431-008	MW-19C		Water	11/9/10	1500	ENCO	
J1005431-009	EB-2		Water	11/9/10	1130	ENCO	

Test Comments
MISC_OUT_1 - None J1005431-001,2,3,4,5,6,7,8,9 EDB and DBCP by EPA Method 8011

CLIENT COOLER @ 5.7°C

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ✓ STANDARD Requested FAX Date: ___ Requested Report Date: 11/24/10	___ I. Results Only ✓ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD Y	PO# J1005431 Bill to

Relinquished By: 11/11/10 Received By: Kristie Kelly 11-12-10 0916 Airbill Number:

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

December 01, 2010 Service Request No: J1005462

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 11, 2010. For your reference, these analyses have been assigned our service request number **J1005462**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005462
Project:	JED SWDF	**Date Received:**	11/11/10
Sample Matrix:	Water		

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

Four water samples and four trip blanks were received for analysis at Columbia Analytical Services on 11/11/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Second Source Exceptions

The upper control criterion was exceeded for the following analyte in Second Source Verification (SSV) ICAL 2358: trans-1,4-Dichloro-2-butene. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Elevated Method Reporting Limits

The reporting limits are elevated for all analytes in samples L-5, L-4, L-1 and L-2. The samples were diluted prior to instrumental analysis due to foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Organochlorine Pesticides by GC-ECD

The samples were analyzed for Organochlorine Pesticides using EPA Method 8081. The following observations were made regarding this delivery group.

Continuing Calibration Verification Exceptions

The surrogate recovery of Decachlororbiphenyl for the Continuing Calibration Verification (CCV) JWG1004223-2 was outside the lower control criterion (82% versus a criterion of 85%). No further corrective action was appropriate.

Approved by _____ **Date** 12/1/10

Surrogate Exceptions

The control criterion for the following surrogate in sample L-2 is not applicable: Decachlorobiphenyl. The analysis of the samples required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

The upper control criterion was exceeded for the following surrogate in sample L-2: Tetrachloro-m-xylene. No target analytes were detected in the sample. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. No further corrective action was appropriate.

The control criterion was exceeded for the following surrogate in sample L-5 due to suspected matrix interferences: Decachlorobiphenyl. A large emulsion was generated during the extraction of this sample which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Lab Control Sample Exceptions

The spike recoveries of gamma-BHC (Lindane) and Endrin Aldehyde for Laboratory Control Sample (LCS) JWG1004036-1 were outside the lower control criterion (56% versus a criterion of 57%) for gamma-BHC (Lindane) and (36% versus a criterion of 51%) for Endrin Aldehyde. The analytes in question were not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias for these analytes. The data are flagged to indicate the problem.

Elevated Method Reporting Limits

The Method Reporting Limit (MRL) is elevated for all target analytes in sample L-1 and L-2. The samples required dilution due to the presence of elevated levels of sulfur that masked portions of the chromatogram in which target analytes elute. The samples were Florisil cleaned after extraction and were also copper cleaned multiple times before they were diluted. These cleanups alone were insufficient to remove enough sulfur to resolve the masking. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

PCB Aroclors by GC-ECD

The samples were analyzed for PCB Aroclors using EPA Method 8082. The following observations were made regarding this delivery group.

Surrogate Exceptions

The control criterion was exceeded for the following surrogate in samples L-5, L-4, L-1, Matrix Spike JWG1004037-1, and Duplicate Matrix Spike JWG1004037-2 due to suspected matrix interference: Decachlorobiphenyl. A large emulsion was generated during the extraction of these samples which may have contributed to there poor surrogate recovery. No further corrective action was appropriate.

Matrix Spike Recovery Exceptions

The duplicate matrix spike recovery of Aroclor 1016 and Aroclor 1260 for sample L-5 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 low bias in this matrix. No further corrective action was appropriate.

Approved by _____ **Date** 12/1/10

Relative Percent Difference Exceptions

The Relative Percent Difference (RPD) for the following analyte in the replicate matrix spike analyses of sample L-5 was outside control criteria: Aroclor 1260. All spike recoveries in associated Laboratory Control Sample (LCS) were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

Elevated Method Reporting Limits

The Method Reporting Limit (MRL) is elevated for all target analytes in sample L-1 and L-2. The samples required dilution due to the presence of elevated levels of sulfur that masked portions of the chromatogram in which target analytes elute. The samples were Florisil cleaned after extraction and were also copper cleaned multiple times before they were diluted. These cleanups alone were insufficient to remove enough sulfur to resolve the masking. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

Semivolatile Organics by GC-MS

The samples were analyzed for Semivolatile Organics using EPA Method 8270. The following observations were made regarding this delivery group.

Second Source Exceptions

The lower control criterion was exceeded for the following analytes in the Second Source Verification (SSV): Kepone, Phorate, Famphur, and Methyl Methanesulfonate. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the Method Reporting Limit (MRL) check, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

The upper control criterion was exceeded for the following analytes in the Second Source Verification (SSV): Pentachlorophenol and 2-Naphthylamine. The field samples analyzed in this sequence did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Elevated Method Reporting Limits

The method reporting limit (MRL) is elevated for all target analytes in samples L-5, L-4, L-1, and L-2. The samples required dilution due to the presence of elevated levels of non-target background components. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

Lab Control Sample Exceptions

The spike recoveries of 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Methyl-4,6-Dinitrophenol, and 4-Nitrophenol for Laboratory Control Sample (LCS) JWG1003997-3 were outside the lower control criteria (36% versus a criterion of 38%, 20% versus a criterion of 27%, 41% versus a criterion of 46%, and 3% versus a criterion of 10%). The analytes in question were not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias for these analytes. The data are flagged to indicate the problem.

Metals by ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6010B/7470A. No problems were observed.

Approved by _____ **Date** 12/1/10

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The matrix spike recovery of Cyanide for sample L-5 was outside control criteria because of suspected matrix interference. A Matrix Spike Duplicate (MSD) was also analyzed, but produced similar results. The results of the original analysis are reported. No further corrective action was appropriate.

Sample Notes and Discussion

The sample volumes and dilutions that were used in the analysis of Biochemical Oxygen Demand (BOD) for samples L-4 and L-2 were all over depleted and did not meet method criteria. The reported results are an estimation of BOD.

Subcontracted Analytical Parameters

The samples were delivered to ENCO Labs in Jacksonville, FL on 11/12/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by _____ **Date** 12/1/10

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
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 practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). 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.

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005462-001	L-5	11/10/10	09:00
J1005462-002	Trip Blank 1	11/10/10	00:00
J1005462-003	L-4	11/10/10	10:30
J1005462-004	Trip Blank 2	11/10/10	00:00
J1005462-005	L-1	11/10/10	11:30
J1005462-006	Trip Blank 3	11/10/10	00:00
J1005462-007	L-2	11/10/10	12:45
J1005462-008	Trip Blank 4	11/10/10	00:00

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-5
Lab Code: J1005462-001

Service Request: J1005462
Date Collected: 11/10/10 0900
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 04:15		226346	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 04:15		226346	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 04:15		226346	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 04:15		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 04:15		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 04:15		226346	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 04:15		226346	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 04:15		226346	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 04:15		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 04:15		226346	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 04:15		226346	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 04:15		226346	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 04:15		226346	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 04:15		226346	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 04:15		226346	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 04:15		226346	
1,4-Dichlorobenzene	**9.20**	I	10.0	1.00	10	NA	11/22/10 04:15		226346	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 04:15		226346	
2-Butanone (MEK)	**871**		100	38.0	10	NA	11/22/10 04:15		226346	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 04:15		226346	
4-Methyl-2-pentanone (MIBK)	**20.1**	I	250	6.50	10	NA	11/22/10 04:15		226346	
Acetone	**512**		500	56.0	10	NA	11/22/10 04:15		226346	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 04:15		226346	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 04:15		226346	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 04:15		226346	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 04:15		226346	
Benzene	**7.10**	I	10.0	2.10	10	NA	11/22/10 04:15		226346	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 04:15		226346	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 04:15		226346	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 04:15		226346	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 04:15		226346	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 04:15		226346	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 04:15		226346	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 04:15		226346	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 04:15		226346	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 04:15		226346	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-5
Lab Code: J1005462-001

Service Request: J1005462
Date Collected: 11/10/10 0900
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 04:15		226346	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 04:15		226346	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 04:15		226346	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 04:15		226346	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 04:15		226346	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 04:15		226346	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 04:15		226346	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 04:15		226346	
Ethylbenzene	**50.8**		10.0	2.10	10	NA	11/22/10 04:15		226346	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 04:15		226346	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 04:15		226346	
Isobutyl Alcohol	ND	U	1000	430	10	NA	11/22/10 04:15		226346	
m,p-Xylenes	**76.2**		20.0	4.10	10	NA	11/22/10 04:15		226346	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 04:15		226346	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 04:15		226346	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 04:15		226346	
Naphthalene	**8.70**	I	100	2.40	10	NA	11/22/10 04:15		226346	
o-Xylene	**35.3**		10.0	1.41	10	NA	11/22/10 04:15		226346	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 04:15		226346	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 04:15		226346	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 04:15		226346	
Toluene	**35.6**		10.0	1.90	10	NA	11/22/10 04:15		226346	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 04:15		226346	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 04:15		226346	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 04:15		226346	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 04:15		226346	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 04:15		226346	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 04:15		226346	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 04:15		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	71-122	11/22/10 04:15	
4-Bromofluorobenzene	97	75-120	11/22/10 04:15	
Dibromofluoromethane	98	82-116	11/22/10 04:15	
Toluene-d8	105	88-117	11/22/10 04:15	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 1
Lab Code: J1005462-002

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 02:10		226346	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 02:10		226346	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 02:10		226346	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 02:10		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 02:10		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 02:10		226346	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 02:10		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 02:10		226346	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 02:10		226346	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 02:10		226346	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 02:10		226346	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 02:10		226346	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 02:10		226346	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 02:10		226346	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 02:10		226346	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 02:10		226346	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 02:10		226346	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 02:10		226346	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 02:10		226346	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 02:10		226346	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 02:10		226346	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 02:10		226346	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 02:10		226346	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 02:10		226346	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 02:10		226346	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 02:10		226346	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 02:10		226346	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 02:10		226346	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 02:10		226346	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 02:10		226346	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 02:10		226346	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 02:10		226346	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 02:10		226346	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 02:10		226346	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 02:10		226346	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 02:10		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 1
Lab Code: J1005462-002

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	**0.490**	I	5.00	0.210	1	NA	11/22/10 02:10		226346	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 02:10		226346	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 02:10		226346	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 02:10		226346	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 02:10		226346	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 02:10		226346	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 02:10		226346	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 02:10		226346	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 02:10		226346	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 02:10		226346	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 02:10		226346	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 02:10		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	71-122	11/22/10 02:10	
4-Bromofluorobenzene	100	75-120	11/22/10 02:10	
Dibromofluoromethane	96	82-116	11/22/10 02:10	
Toluene-d8	102	88-117	11/22/10 02:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-4
Lab Code: J1005462-003

Service Request: J1005462
Date Collected: 11/10/10 1030
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 04:46		226346	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 04:46		226346	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 04:46		226346	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 04:46		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 04:46		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 04:46		226346	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 04:46		226346	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 04:46		226346	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 04:46		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 04:46		226346	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 04:46		226346	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 04:46		226346	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 04:46		226346	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 04:46		226346	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 04:46		226346	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 04:46		226346	
1,4-Dichlorobenzene	**6.50**	I	10.0	1.00	10	NA	11/22/10 04:46		226346	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 04:46		226346	
2-Butanone (MEK)	**660**		100	38.0	10	NA	11/22/10 04:46		226346	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 04:46		226346	
4-Methyl-2-pentanone (MIBK)	**52.3**	I	250	6.50	10	NA	11/22/10 04:46		226346	
Acetone	**879**		500	56.0	10	NA	11/22/10 04:46		226346	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 04:46		226346	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 04:46		226346	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 04:46		226346	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 04:46		226346	
Benzene	**6.60**	I	10.0	2.10	10	NA	11/22/10 04:46		226346	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 04:46		226346	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 04:46		226346	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 04:46		226346	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 04:46		226346	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 04:46		226346	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 04:46		226346	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 04:46		226346	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 04:46		226346	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 04:46		226346	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 1030
Date Received: 11/11/10

Sample Name: L-4
Lab Code: J1005462-003

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 04:46		226346	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 04:46		226346	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 04:46		226346	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 04:46		226346	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 04:46		226346	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 04:46		226346	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 04:46		226346	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 04:46		226346	
Ethylbenzene	**32.2**		10.0	2.10	10	NA	11/22/10 04:46		226346	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 04:46		226346	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 04:46		226346	
Isobutyl Alcohol	**927**	I	1000	430	10	NA	11/22/10 04:46		226346	
m,p-Xylenes	**40.1**		20.0	4.10	10	NA	11/22/10 04:46		226346	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 04:46		226346	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 04:46		226346	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 04:46		226346	
Naphthalene	**16.6**	I	100	2.40	10	NA	11/22/10 04:46		226346	
o-Xylene	**22.4**		10.0	1.41	10	NA	11/22/10 04:46		226346	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 04:46		226346	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 04:46		226346	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 04:46		226346	
Toluene	**29.5**		10.0	1.90	10	NA	11/22/10 04:46		226346	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 04:46		226346	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 04:46		226346	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 04:46		226346	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 04:46		226346	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 04:46		226346	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 04:46		226346	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 04:46		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	98	71-122	11/22/10 04:46	
4-Bromofluorobenzene	100	75-120	11/22/10 04:46	
Dibromofluoromethane	99	82-116	11/22/10 04:46	
Toluene-d8	100	88-117	11/22/10 04:46	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 2
Lab Code: J1005462-004

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 02:41		226346	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 02:41		226346	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 02:41		226346	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 02:41		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 02:41		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 02:41		226346	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 02:41		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 02:41		226346	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 02:41		226346	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 02:41		226346	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 02:41		226346	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 02:41		226346	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 02:41		226346	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 02:41		226346	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 02:41		226346	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 02:41		226346	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 02:41		226346	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 02:41		226346	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 02:41		226346	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 02:41		226346	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 02:41		226346	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 02:41		226346	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 02:41		226346	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 02:41		226346	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 02:41		226346	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 02:41		226346	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 02:41		226346	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 02:41		226346	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 02:41		226346	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 02:41		226346	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 02:41		226346	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 02:41		226346	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 02:41		226346	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 02:41		226346	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 02:41		226346	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 02:41		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 2
Lab Code: J1005462-004

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	**0.420**	I	5.00	0.210	1	NA	11/22/10 02:41		226346	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 02:41		226346	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 02:41		226346	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 02:41		226346	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 02:41		226346	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 02:41		226346	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 02:41		226346	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 02:41		226346	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 02:41		226346	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 02:41		226346	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 02:41		226346	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 02:41		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	71-122	11/22/10 02:41	
4-Bromofluorobenzene	100	75-120	11/22/10 02:41	
Dibromofluoromethane	99	82-116	11/22/10 02:41	
Toluene-d8	101	88-117	11/22/10 02:41	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 1130
Date Received: 11/11/10

Sample Name: L-1
Lab Code: J1005462-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 05:17		226346	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 05:17		226346	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 05:17		226346	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 05:17		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 05:17		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 05:17		226346	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 05:17		226346	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 05:17		226346	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 05:17		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 05:17		226346	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 05:17		226346	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 05:17		226346	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 05:17		226346	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 05:17		226346	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 05:17		226346	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 05:17		226346	
1,4-Dichlorobenzene	**10.0**		10.0	1.00	10	NA	11/22/10 05:17		226346	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 05:17		226346	
2-Butanone (MEK)	**832**		100	38.0	10	NA	11/22/10 05:17		226346	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 05:17		226346	
4-Methyl-2-pentanone (MIBK)	**9.60**	I	250	6.50	10	NA	11/22/10 05:17		226346	
Acetone	**687**		500	56.0	10	NA	11/22/10 05:17		226346	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 05:17		226346	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 05:17		226346	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 05:17		226346	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 05:17		226346	
Benzene	**5.80**	I	10.0	2.10	10	NA	11/22/10 05:17		226346	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 05:17		226346	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 05:17		226346	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 05:17		226346	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 05:17		226346	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 05:17		226346	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 05:17		226346	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 05:17		226346	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 05:17		226346	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 05:17		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-1
Lab Code: J1005462-005

Service Request: J1005462
Date Collected: 11/10/10 1130
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 05:17		226346	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 05:17		226346	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 05:17		226346	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 05:17		226346	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 05:17		226346	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 05:17		226346	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 05:17		226346	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 05:17		226346	
Ethylbenzene	**37.3**		10.0	2.10	10	NA	11/22/10 05:17		226346	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 05:17		226346	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 05:17		226346	
Isobutyl Alcohol	ND	U	1000	430	10	NA	11/22/10 05:17		226346	
m,p-Xylenes	**38.1**		20.0	4.10	10	NA	11/22/10 05:17		226346	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 05:17		226346	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 05:17		226346	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 05:17		226346	
Naphthalene	**7.20**	I	100	2.40	10	NA	11/22/10 05:17		226346	
o-Xylene	**18.3**		10.0	1.41	10	NA	11/22/10 05:17		226346	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 05:17		226346	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 05:17		226346	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 05:17		226346	
Toluene	**6.70**	I	10.0	1.90	10	NA	11/22/10 05:17		226346	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 05:17		226346	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 05:17		226346	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 05:17		226346	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 05:17		226346	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 05:17		226346	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 05:17		226346	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 05:17		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	71-122	11/22/10 05:17	
4-Bromofluorobenzene	97	75-120	11/22/10 05:17	
Dibromofluoromethane	97	82-116	11/22/10 05:17	
Toluene-d8	101	88-117	11/22/10 05:17	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 3
Lab Code: J1005462-006

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 03:12		226346	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 03:12		226346	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 03:12		226346	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 03:12		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 03:12		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 03:12		226346	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 03:12		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 03:12		226346	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 03:12		226346	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 03:12		226346	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 03:12		226346	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 03:12		226346	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 03:12		226346	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 03:12		226346	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 03:12		226346	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 03:12		226346	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 03:12		226346	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 03:12		226346	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 03:12		226346	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 03:12		226346	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 03:12		226346	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 03:12		226346	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 03:12		226346	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 03:12		226346	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 03:12		226346	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 03:12		226346	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 03:12		226346	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 03:12		226346	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 03:12		226346	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 03:12		226346	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 03:12		226346	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 03:12		226346	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 03:12		226346	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 03:12		226346	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 03:12		226346	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 03:12		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 3
Lab Code: J1005462-006

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	**0.350**	I	5.00	0.210	1	NA	11/22/10 03:12		226346	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 03:12		226346	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 03:12		226346	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 03:12		226346	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 03:12		226346	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 03:12		226346	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 03:12		226346	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 03:12		226346	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 03:12		226346	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 03:12		226346	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 03:12		226346	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 03:12		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	71-122	11/22/10 03:12	
4-Bromofluorobenzene	97	75-120	11/22/10 03:12	
Dibromofluoromethane	99	82-116	11/22/10 03:12	
Toluene-d8	106	88-117	11/22/10 03:12	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-2
Lab Code: J1005462-007

Service Request: J1005462
Date Collected: 11/10/10 1245
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 05:49		226346	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 05:49		226346	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 05:49		226346	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 05:49		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 05:49		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 05:49		226346	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 05:49		226346	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 05:49		226346	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 05:49		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 05:49		226346	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 05:49		226346	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 05:49		226346	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 05:49		226346	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 05:49		226346	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 05:49		226346	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 05:49		226346	
1,4-Dichlorobenzene	**14.0**		10.0	1.00	10	NA	11/22/10 05:49		226346	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 05:49		226346	
2-Butanone (MEK)	**1150**		100	38.0	10	NA	11/22/10 05:49		226346	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 05:49		226346	
4-Methyl-2-pentanone (MIBK)	**16.0**	I	250	6.50	10	NA	11/22/10 05:49		226346	
Acetone	**1250**		500	56.0	10	NA	11/22/10 05:49		226346	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 05:49		226346	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 05:49		226346	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 05:49		226346	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 05:49		226346	
Benzene	**8.70**	I	10.0	2.10	10	NA	11/22/10 05:49		226346	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 05:49		226346	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 05:49		226346	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 05:49		226346	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 05:49		226346	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 05:49		226346	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 05:49		226346	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 05:49		226346	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 05:49		226346	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 05:49		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-2
Lab Code: J1005462-007

Service Request: J1005462
Date Collected: 11/10/10 1245
Date Received: 11/11/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 05:49		226346	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 05:49		226346	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 05:49		226346	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 05:49		226346	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 05:49		226346	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 05:49		226346	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 05:49		226346	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 05:49		226346	
Ethylbenzene	**39.7**		10.0	2.10	10	NA	11/22/10 05:49		226346	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 05:49		226346	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 05:49		226346	
Isobutyl Alcohol	ND	U	1000	430	10	NA	11/22/10 05:49		226346	
m,p-Xylenes	**43.5**		20.0	4.10	10	NA	11/22/10 05:49		226346	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 05:49		226346	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 05:49		226346	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 05:49		226346	
Naphthalene	**17.1**	I	100	2.40	10	NA	11/22/10 05:49		226346	
o-Xylene	**25.3**		10.0	1.41	10	NA	11/22/10 05:49		226346	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 05:49		226346	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 05:49		226346	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 05:49		226346	
Toluene	**29.3**		10.0	1.90	10	NA	11/22/10 05:49		226346	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 05:49		226346	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 05:49		226346	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 05:49		226346	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 05:49		226346	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 05:49		226346	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 05:49		226346	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 05:49		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	97	71-122	11/22/10 05:49	
4-Bromofluorobenzene	99	75-120	11/22/10 05:49	
Dibromofluoromethane	94	82-116	11/22/10 05:49	
Toluene-d8	103	88-117	11/22/10 05:49	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 4
Lab Code: J1005462-008

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 03:44		226346	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 03:44		226346	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 03:44		226346	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 03:44		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 03:44		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 03:44		226346	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 03:44		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 03:44		226346	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 03:44		226346	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 03:44		226346	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 03:44		226346	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 03:44		226346	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 03:44		226346	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 03:44		226346	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 03:44		226346	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 03:44		226346	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 03:44		226346	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 03:44		226346	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 03:44		226346	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 03:44		226346	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 03:44		226346	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 03:44		226346	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 03:44		226346	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 03:44		226346	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 03:44		226346	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 03:44		226346	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 03:44		226346	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 03:44		226346	
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 03:44		226346	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 03:44		226346	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 03:44		226346	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 03:44		226346	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 03:44		226346	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 03:44		226346	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 03:44		226346	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 03:44		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0000
Date Received: 11/11/10

Sample Name: Trip Blank 4
Lab Code: J1005462-008

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylene Chloride	**0.350**	I	5.00	0.210	1	NA	11/22/10 03:44		226346	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 03:44		226346	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 03:44		226346	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 03:44		226346	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 03:44		226346	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 03:44		226346	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 03:44		226346	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 03:44		226346	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 03:44		226346	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 03:44		226346	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 03:44		226346	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 03:44		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	71-122	11/22/10 03:44	
4-Bromofluorobenzene	97	75-120	11/22/10 03:44	
Dibromofluoromethane	99	82-116	11/22/10 03:44	
Toluene-d8	103	88-117	11/22/10 03:44	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005755-02

Service Request: J1005462
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/21/10 20:58		226346	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/21/10 20:58		226346	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/21/10 20:58		226346	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/21/10 20:58		226346	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/21/10 20:58		226346	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/21/10 20:58		226346	
1,1-Dichloropropene	ND	U	5.00	0.120	1	NA	11/21/10 20:58		226346	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/21/10 20:58		226346	
1,2,4-Trichlorobenzene	ND	U	10.0	0.210	1	NA	11/21/10 20:58		226346	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/21/10 20:58		226346	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/21/10 20:58		226346	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/21/10 20:58		226346	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/21/10 20:58		226346	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/21/10 20:58		226346	
1,3-Dichlorobenzene	ND	U	1.00	0.130	1	NA	11/21/10 20:58		226346	
1,3-Dichloropropane	ND	U	1.00	0.150	1	NA	11/21/10 20:58		226346	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/21/10 20:58		226346	
2,2-Dichloropropane	ND	U	1.00	0.180	1	NA	11/21/10 20:58		226346	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/21/10 20:58		226346	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/21/10 20:58		226346	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/21/10 20:58		226346	
Acetone	ND	U	50.0	5.60	1	NA	11/21/10 20:58		226346	
Acetonitrile	ND	U	25.0	18.0	1	NA	11/21/10 20:58		226346	
Acrolein	ND	U	50.0	4.20	1	NA	11/21/10 20:58		226346	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/21/10 20:58		226346	
Allyl Chloride	ND	U	5.00	0.390	1	NA	11/21/10 20:58		226346	
Benzene	ND	U	1.00	0.210	1	NA	11/21/10 20:58		226346	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/21/10 20:58		226346	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/21/10 20:58		226346	
Bromoform	ND	U	2.00	0.420	1	NA	11/21/10 20:58		226346	
Bromomethane	ND	U	1.00	0.220	1	NA	11/21/10 20:58		226346	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/21/10 20:58		226346	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/21/10 20:58		226346	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/21/10 20:58		226346	
Chloroethane	ND	U	5.00	0.220	1	NA	11/21/10 20:58		226346	
Chloroform	ND	U	1.00	0.350	1	NA	11/21/10 20:58		226346	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005755-02

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226346

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	1.00	0.110	1	NA	11/21/10 20:58		226346	
Chloroprene	ND	U	1.00	0.00	1	NA	11/21/10 20:58		226346	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/21/10 20:58		226346	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/21/10 20:58		226346	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/21/10 20:58		226346	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/21/10 20:58		226346	
Dichlorodifluoromethane	ND	U	20.0	0.230	1	NA	11/21/10 20:58		226346	
Ethyl Methacrylate	ND	U	1.00	0.190	1	NA	11/21/10 20:58		226346	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/21/10 20:58		226346	
Hexachlorobutadiene	ND	U	10.0	0.600	1	NA	11/21/10 20:58		226346	
Iodomethane	ND	U	5.00	2.68	1	NA	11/21/10 20:58		226346	
Isobutyl Alcohol	ND	U	100	43.0	1	NA	11/21/10 20:58		226346	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/21/10 20:58		226346	
Methacrylonitrile	ND	U	5.00	1.60	1	NA	11/21/10 20:58		226346	
Methyl Methacrylate	ND	U	2.00	0.270	1	NA	11/21/10 20:58		226346	
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/21/10 20:58		226346	
Naphthalene	ND	U	10.0	0.240	1	NA	11/21/10 20:58		226346	
o-Xylene	ND	U	1.00	0.140	1	NA	11/21/10 20:58		226346	
Propionitrile	ND	U	25.0	3.90	1	NA	11/21/10 20:58		226346	
Styrene	ND	U	1.00	0.291	1	NA	11/21/10 20:58		226346	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/21/10 20:58		226346	
Toluene	ND	U	1.00	0.190	1	NA	11/21/10 20:58		226346	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/21/10 20:58		226346	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/21/10 20:58		226346	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/21/10 20:58		226346	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/21/10 20:58		226346	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/21/10 20:58		226346	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/21/10 20:58		226346	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/21/10 20:58		226346	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	71-122	11/21/10 20:58	
4-Bromofluorobenzene	101	75-120	11/21/10 20:58	
Dibromofluoromethane	97	82-116	11/21/10 20:58	
Toluene-d8	105	88-117	11/21/10 20:58	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-5
Lab Code: J1005462-001

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	57	6.2	10	11/11/10	11/23/10	JWG1003997	
1,2,4-Trichlorobenzene	ND	U	57	8.8	10	11/11/10	11/23/10	JWG1003997	
1,2-Dichlorobenzene	ND	U	57	8.4	10	11/11/10	11/23/10	JWG1003997	
1,3,5-Trinitrobenzene	ND	U	57	13	10	11/11/10	11/23/10	JWG1003997	
1,3-Dichlorobenzene	ND	U	57	7.9	10	11/11/10	11/23/10	JWG1003997	
1,3-Dinitrobenzene	ND	U	120	17	10	11/11/10	11/23/10	JWG1003997	
1,4-Dichlorobenzene	ND	U	57	14	10	11/11/10	11/23/10	JWG1003997	
1,4-Naphthoquinone†	ND	U	110	110	10	11/11/10	11/23/10	JWG1003997	
1-Naphthylamine	ND	U	57	13	10	11/11/10	11/23/10	JWG1003997	
2,3,4,6-Tetrachlorophenol	ND	U	57	14	10	11/11/10	11/23/10	JWG1003997	
2,4,5-Trichlorophenol	ND	U	57	7.4	10	11/11/10	11/23/10	JWG1003997	
2,4,6-Trichlorophenol	ND	U	57	8.3	10	11/11/10	11/23/10	JWG1003997	
2,4-Dichlorophenol	ND	U	57	5.7	10	11/11/10	11/23/10	JWG1003997	
2,4-Dimethylphenol	ND	UJ	57	8.9	10	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrophenol	ND	UJ	230	6.1	10	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrotoluene	ND	U	57	47	10	11/11/10	11/23/10	JWG1003997	
2,6-Dichlorophenol	ND	U	120	8.1	10	11/11/10	11/23/10	JWG1003997	
2,6-Dinitrotoluene	ND	U	57	9.4	10	11/11/10	11/23/10	JWG1003997	
2-Acetylaminofluorene	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
2-Chloronaphthalene	ND	U	57	8.0	10	11/11/10	11/23/10	JWG1003997	
2-Chlorophenol	ND	U	57	8.5	10	11/11/10	11/23/10	JWG1003997	
2-Methyl-4,6-dinitrophenol	ND	UJ	230	7.2	10	11/11/10	11/23/10	JWG1003997	J(3)
2-Methylnaphthalene	ND	U	57	8.4	10	11/11/10	11/23/10	JWG1003997	
2-Methylphenol	7.5	I	57	7.2	10	11/11/10	11/23/10	JWG1003997	
2-Naphthylamine	ND	UJ	57	13	10	11/11/10	11/23/10	JWG1003997	J(3)
2-Nitroaniline	ND	U	57	6.2	10	11/11/10	11/23/10	JWG1003997	
2-Nitrophenol	ND	U	230	6.8	10	11/11/10	11/23/10	JWG1003997	
3,3'-Dichlorobenzidine	ND	U	230	10	10	11/11/10	11/23/10	JWG1003997	
3,3'-Dimethylbenzidine	ND	U	230	26	10	11/11/10	11/23/10	JWG1003997	
3-Methylcholanthrene	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
3-Nitroaniline	ND	U	57	8.5	10	11/11/10	11/23/10	JWG1003997	
4-Aminobiphenyl	ND	U	57	12	10	11/11/10	11/23/10	JWG1003997	
4-Bromophenyl Phenyl Ether	ND	U	57	7.6	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-5
Lab Code: J1005462-001

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	57	8.5	10	11/11/10	11/23/10	JWG1003997	
4-Chloroaniline	ND	U	57	6.0	10	11/11/10	11/23/10	JWG1003997	
4-Chlorophenyl Phenyl Ether	ND	U	57	6.9	10	11/11/10	11/23/10	JWG1003997	
4-Methylphenol†	**120**		57	8.7	10	11/11/10	11/23/10	JWG1003997	
4-Nitroaniline	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
4-Nitrophenol	ND	UJ	230	11	10	11/11/10	11/23/10	JWG1003997	J(3)
5-Nitro-o-toluidine	ND	U	57	12	10	11/11/10	11/23/10	JWG1003997	
7,12-Dimethylbenz(a)anthracene	ND	U	57	9.8	10	11/11/10	11/23/10	JWG1003997	
Acenaphthene	ND	U	57	12	10	11/11/10	11/23/10	JWG1003997	
Acenaphthylene	ND	U	57	6.6	10	11/11/10	11/23/10	JWG1003997	
Acetophenone	ND	U	120	15	10	11/11/10	11/23/10	JWG1003997	
Anthracene	ND	U	57	8.0	10	11/11/10	11/23/10	JWG1003997	
Benz(a)anthracene	ND	U	57	9.7	10	11/11/10	11/23/10	JWG1003997	
Benzo(a)pyrene	ND	U	57	7.1	10	11/11/10	11/23/10	JWG1003997	
Benzo(b)fluoranthene	ND	U	57	9.8	10	11/11/10	11/23/10	JWG1003997	
Benzo(g,h,i)perylene	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Benzo(k)fluoranthene	ND	U	57	6.1	10	11/11/10	11/23/10	JWG1003997	
Benzyl alcohol	ND	U	57	7.8	10	11/11/10	11/23/10	JWG1003997	
bis(2-Chloroethoxy)methane	ND	U	57	10	10	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroethyl) Ether	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroisopropyl) Ether	ND	U	57	6.5	10	11/11/10	11/23/10	JWG1003997	
Bis(2-ethylhexyl) Phthalate	ND	U	57	12	10	11/11/10	11/23/10	JWG1003997	
Butyl Benzyl Phthalate	ND	U	120	13	10	11/11/10	11/23/10	JWG1003997	
Chlorobenzilate	ND	U	120	9.5	10	11/11/10	11/23/10	JWG1003997	
Chrysene	ND	U	57	9.8	10	11/11/10	11/23/10	JWG1003997	
Di-n-butyl Phthalate	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Di-n-octyl Phthalate	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Diallate	ND	U	57	12	10	11/11/10	11/23/10	JWG1003997	
Dibenz(a,h)anthracene	ND	U	57	7.0	10	11/11/10	11/23/10	JWG1003997	
Dibenzofuran	ND	U	57	8.9	10	11/11/10	11/23/10	JWG1003997	
Diethyl Phthalate	ND	U	57	47	10	11/11/10	11/23/10	JWG1003997	
Dimethoate	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Dimethyl Phthalate	ND	U	57	8.6	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/2010
Sample Matrix:	Water	**Date Received:**	11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-5	**Units:**	ug/L
Lab Code:	J1005462-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	120	6.9	10	11/11/10	11/23/10	JWG1003997	
Disulfoton	ND	U	57	5.9	10	11/11/10	11/23/10	JWG1003997	
Ethyl Methanesulfonate	ND	U	57	7.4	10	11/11/10	11/23/10	JWG1003997	
Famphur	ND	UJ	120	7.8	10	11/11/10	11/23/10	JWG1003997	J(3)
Fluoranthene	ND	U	57	7.5	10	11/11/10	11/23/10	JWG1003997	
Fluorene	ND	U	57	9.9	10	11/11/10	11/23/10	JWG1003997	
Hexachlorobenzene	ND	U	57	7.1	10	11/11/10	11/23/10	JWG1003997	
Hexachlorobutadiene	ND	U	57	6.9	10	11/11/10	11/23/10	JWG1003997	
Hexachlorocyclopentadiene	ND	U	57	4.7	10	11/11/10	11/23/10	JWG1003997	
Hexachloroethane	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
Hexachloropropene	ND	U	57	22	10	11/11/10	11/23/10	JWG1003997	
Indeno(1,2,3-cd)pyrene	ND	U	57	6.2	10	11/11/10	11/23/10	JWG1003997	
Isodrin	ND	U	120	8.0	10	11/11/10	11/23/10	JWG1003997	
Isophorone	ND	U	57	9.0	10	11/11/10	11/23/10	JWG1003997	
Isosafrole	ND	U	57	8.5	10	11/11/10	11/23/10	JWG1003997	
Kepone	ND	UJ	570	48	10	11/11/10	11/23/10	JWG1003997	J(3)
Methapyrilene	ND	U	57	17	10	11/11/10	11/23/10	JWG1003997	
Methyl Methanesulfonate	ND	UJ	57	6.3	10	11/11/10	11/23/10	JWG1003997	J(3)
Methyl Parathion	ND	U	120	13	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-butylamine	ND	U	57	7.6	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-propylamine	**42**	I	57	7.7	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiethylamine	ND	U	57	7.1	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodimethylamine	ND	U	57	8.3	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiphenylamine†	ND	U	57	11	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosomethylethylamine	ND	U	57	9.3	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosopiperidine	ND	U	57	18	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosopyrrolidine	ND	U	57	7.9	10	11/11/10	11/23/10	JWG1003997	
Naphthalene	**9.2**	I	57	8.9	10	11/11/10	11/23/10	JWG1003997	
Nitrobenzene	ND	U	57	8.3	10	11/11/10	11/23/10	JWG1003997	
O,O,O-Triethyl Phosphorothioate	ND	U	230	5.9	10	11/11/10	11/23/10	JWG1003997	
o-Toluidine	ND	U	57	10	10	11/11/10	11/23/10	JWG1003997	
p-Dimethylaminoazobenzene	ND	U	57	10	10	11/11/10	11/23/10	JWG1003997	
p-Phenylenediamine	ND	U	230	13	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-5
Lab Code: J1005462-001

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	230	11	10	11/11/10	11/23/10	JWG1003997	
Pentachlorobenzene	ND	U	57	27	10	11/11/10	11/23/10	JWG1003997	
Pentachloronitrobenzene	ND	U	57	17	10	11/11/10	11/23/10	JWG1003997	
Pentachlorophenol	ND	UJ	230	7.6	10	11/11/10	11/23/10	JWG1003997	J(3)
Phenacetin	ND	U	57	10	10	11/11/10	11/23/10	JWG1003997	
Phenanthrene	ND	U	57	7.9	10	11/11/10	11/23/10	JWG1003997	
Phenol	**65**		57	4.8	10	11/11/10	11/23/10	JWG1003997	
Phorate	ND	UJ	57	9.9	10	11/11/10	11/23/10	JWG1003997	J(3)
Pronamide	ND	U	230	9.6	10	11/11/10	11/23/10	JWG1003997	
Pyrene	ND	U	57	9.5	10	11/11/10	11/23/10	JWG1003997	
Safrole	ND	U	57	8.0	10	11/11/10	11/23/10	JWG1003997	
Thionazin	ND	U	120	9.2	10	11/11/10	11/23/10	JWG1003997	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	77	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	62	30-102	11/23/10	Acceptable
2-Fluorophenol	28	10-77	11/23/10	Acceptable
Nitrobenzene-d5	77	32-106	11/23/10	Acceptable
Phenol-d6	38	10-51	11/23/10	Acceptable
Terphenyl-d14	52	23-165	11/23/10	Acceptable

† **Analyte Comments**

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-4
Lab Code: J1005462-003

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
1,2,4-Trichlorobenzene	ND	U	220	34	40	11/11/10	11/23/10	JWG1003997	
1,2-Dichlorobenzene	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
1,3,5-Trinitrobenzene	ND	U	220	48	40	11/11/10	11/23/10	JWG1003997	
1,3-Dichlorobenzene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
1,3-Dinitrobenzene	ND	U	440	65	40	11/11/10	11/23/10	JWG1003997	
1,4-Dichlorobenzene	ND	U	220	52	40	11/11/10	11/23/10	JWG1003997	
1,4-Naphthoquinone†	ND	U	430	430	40	11/11/10	11/23/10	JWG1003997	
1-Naphthylamine	ND	U	220	48	40	11/11/10	11/23/10	JWG1003997	
2,3,4,6-Tetrachlorophenol	ND	U	220	52	40	11/11/10	11/23/10	JWG1003997	
2,4,5-Trichlorophenol	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
2,4,6-Trichlorophenol	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
2,4-Dichlorophenol	ND	U	220	22	40	11/11/10	11/23/10	JWG1003997	
2,4-Dimethylphenol	ND	UJ	220	34	40	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrophenol	ND	UJ	870	24	40	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrotoluene	ND	U	220	180	40	11/11/10	11/23/10	JWG1003997	
2,6-Dichlorophenol	ND	U	440	31	40	11/11/10	11/23/10	JWG1003997	
2,6-Dinitrotoluene	ND	U	220	36	40	11/11/10	11/23/10	JWG1003997	
2-Acetylaminofluorene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
2-Chloronaphthalene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
2-Chlorophenol	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
2-Methyl-4,6-dinitrophenol	ND	UJ	870	28	40	11/11/10	11/23/10	JWG1003997	J(3)
2-Methylnaphthalene	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
2-Methylphenol	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
2-Naphthylamine	ND	UJ	220	48	40	11/11/10	11/23/10	JWG1003997	J(3)
2-Nitroaniline	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
2-Nitrophenol	ND	U	870	26	40	11/11/10	11/23/10	JWG1003997	
3,3'-Dichlorobenzidine	ND	U	870	39	40	11/11/10	11/23/10	JWG1003997	
3,3'-Dimethylbenzidine	ND	U	870	99	40	11/11/10	11/23/10	JWG1003997	
3-Methylcholanthrene	ND	U	220	42	40	11/11/10	11/23/10	JWG1003997	
3-Nitroaniline	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
4-Aminobiphenyl	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
4-Bromophenyl Phenyl Ether	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/2010
Sample Matrix:	Water	**Date Received:**	11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-4	**Units:**	ug/L
Lab Code:	J1005462-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
4-Chloroaniline	ND	U	220	23	40	11/11/10	11/23/10	JWG1003997	
4-Chlorophenyl Phenyl Ether	ND	U	220	27	40	11/11/10	11/23/10	JWG1003997	
4-Methylphenol†	**1800**		220	34	40	11/11/10	11/23/10	JWG1003997	
4-Nitroaniline	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
4-Nitrophenol	ND	UJ	870	40	40	11/11/10	11/23/10	JWG1003997	J(3)
5-Nitro-o-toluidine	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
7,12-Dimethylbenz(a)anthracene	ND	U	220	38	40	11/11/10	11/23/10	JWG1003997	
Acenaphthene	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
Acenaphthylene	ND	U	220	25	40	11/11/10	11/23/10	JWG1003997	
Acetophenone	ND	U	440	56	40	11/11/10	11/23/10	JWG1003997	
Anthracene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Benz(a)anthracene	ND	U	220	37	40	11/11/10	11/23/10	JWG1003997	
Benzo(a)pyrene	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Benzo(b)fluoranthene	ND	U	220	38	40	11/11/10	11/23/10	JWG1003997	
Benzo(g,h,i)perylene	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Benzo(k)fluoranthene	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
Benzyl alcohol	**150**	I	220	30	40	11/11/10	11/23/10	JWG1003997	
bis(2-Chloroethoxy)methane	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroethyl) Ether	ND	U	220	42	40	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroisopropyl) Ether	ND	U	220	25	40	11/11/10	11/23/10	JWG1003997	
Bis(2-ethylhexyl) Phthalate	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
Butyl Benzyl Phthalate	ND	U	440	48	40	11/11/10	11/23/10	JWG1003997	
Chlorobenzilate	ND	U	440	37	40	11/11/10	11/23/10	JWG1003997	
Chrysene	ND	U	220	38	40	11/11/10	11/23/10	JWG1003997	
Di-n-butyl Phthalate	ND	U	220	42	40	11/11/10	11/23/10	JWG1003997	
Di-n-octyl Phthalate	ND	U	220	41	40	11/11/10	11/23/10	JWG1003997	
Diallate	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
Dibenz(a,h)anthracene	ND	U	220	27	40	11/11/10	11/23/10	JWG1003997	
Dibenzofuran	ND	U	220	34	40	11/11/10	11/23/10	JWG1003997	
Diethyl Phthalate	ND	U	220	180	40	11/11/10	11/23/10	JWG1003997	
Dimethoate	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Dimethyl Phthalate	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-4
Lab Code: J1005462-003

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	440	27	40	11/11/10	11/23/10	JWG1003997	
Disulfoton	ND	U	220	23	40	11/11/10	11/23/10	JWG1003997	
Ethyl Methanesulfonate	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Famphur	ND	UJ	440	30	40	11/11/10	11/23/10	JWG1003997	J(3)
Fluoranthene	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	
Fluorene	ND	U	220	38	40	11/11/10	11/23/10	JWG1003997	
Hexachlorobenzene	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Hexachlorobutadiene	ND	U	220	27	40	11/11/10	11/23/10	JWG1003997	
Hexachlorocyclopentadiene	ND	U	220	18	40	11/11/10	11/23/10	JWG1003997	
Hexachloroethane	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Hexachloropropene	ND	U	220	82	40	11/11/10	11/23/10	JWG1003997	
Indeno(1,2,3-cd)pyrene	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
Isodrin	ND	U	440	31	40	11/11/10	11/23/10	JWG1003997	
Isophorone	ND	U	220	35	40	11/11/10	11/23/10	JWG1003997	
Isosafrole	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
Kepone	ND	UJ	2200	190	40	11/11/10	11/23/10	JWG1003997	J(3)
Methapyrilene	ND	U	220	65	40	11/11/10	11/23/10	JWG1003997	
Methyl Methanesulfonate	ND	UJ	220	25	40	11/11/10	11/23/10	JWG1003997	J(3)
Methyl Parathion	ND	U	440	48	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-butylamine	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-propylamine	ND	U	220	30	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiethylamine	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodimethylamine	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiphenylamine†	ND	U	220	42	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosomethylethylamine	ND	U	220	36	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosopiperidine	ND	U	220	69	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosopyrrolidine	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Naphthalene	ND	U	220	34	40	11/11/10	11/23/10	JWG1003997	
Nitrobenzene	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
O,O,O-Triethyl Phosphorothioate	ND	U	870	23	40	11/11/10	11/23/10	JWG1003997	
o-Toluidine	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
p-Dimethylaminoazobenzene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
p-Phenylenediamine	ND	U	870	48	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-4
Lab Code: J1005462-003

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	870	40	40	11/11/10	11/23/10	JWG1003997	
Pentachlorobenzene	ND	U	220	110	40	11/11/10	11/23/10	JWG1003997	
Pentachloronitrobenzene	ND	U	220	65	40	11/11/10	11/23/10	JWG1003997	
Pentachlorophenol	ND	UJ	870	29	40	11/11/10	11/23/10	JWG1003997	J(3)
Phenacetin	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Phenanthrene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Phenol	**1100**		220	19	40	11/11/10	11/23/10	JWG1003997	
Phorate	ND	UJ	220	38	40	11/11/10	11/23/10	JWG1003997	J(3)
Pronamide	ND	U	870	37	40	11/11/10	11/23/10	JWG1003997	
Pyrene	ND	U	220	37	40	11/11/10	11/23/10	JWG1003997	
Safrole	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Thionazin	ND	U	440	35	40	11/11/10	11/23/10	JWG1003997	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	70	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	57	30-102	11/23/10	Acceptable
2-Fluorophenol	30	10-77	11/23/10	Acceptable
Nitrobenzene-d5	98	32-106	11/23/10	Acceptable
Phenol-d6	42	10-51	11/23/10	Acceptable
Terphenyl-d14	47	23-165	11/23/10	Acceptable

† **Analyte Comments**

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-1
Lab Code: J1005462-005

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	54	6.0	10	11/11/10	11/23/10	JWG1003997	
1,2,4-Trichlorobenzene	ND	U	54	8.4	10	11/11/10	11/23/10	JWG1003997	
1,2-Dichlorobenzene	ND	U	54	8.0	10	11/11/10	11/23/10	JWG1003997	
1,3,5-Trinitrobenzene	ND	U	54	12	10	11/11/10	11/23/10	JWG1003997	
1,3-Dichlorobenzene	ND	U	54	7.6	10	11/11/10	11/23/10	JWG1003997	
1,3-Dinitrobenzene	ND	U	110	17	10	11/11/10	11/23/10	JWG1003997	
1,4-Dichlorobenzene	ND	U	54	13	10	11/11/10	11/23/10	JWG1003997	
1,4-Naphthoquinone†	ND	U	110	110	10	11/11/10	11/23/10	JWG1003997	
1-Naphthylamine	ND	U	54	12	10	11/11/10	11/23/10	JWG1003997	
2,3,4,6-Tetrachlorophenol	ND	U	54	13	10	11/11/10	11/23/10	JWG1003997	
2,4,5-Trichlorophenol	ND	U	54	7.0	10	11/11/10	11/23/10	JWG1003997	
2,4,6-Trichlorophenol	ND	U	54	7.9	10	11/11/10	11/23/10	JWG1003997	
2,4-Dichlorophenol	ND	U	54	5.4	10	11/11/10	11/23/10	JWG1003997	
2,4-Dimethylphenol	**11**	I	54	8.5	10	11/11/10	11/23/10	JWG1003997	
2,4-Dinitrophenol	ND	UJ	220	5.9	10	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrotoluene	ND	U	54	45	10	11/11/10	11/23/10	JWG1003997	
2,6-Dichlorophenol	ND	U	110	7.8	10	11/11/10	11/23/10	JWG1003997	
2,6-Dinitrotoluene	ND	U	54	9.0	10	11/11/10	11/23/10	JWG1003997	
2-Acetylaminofluorene	ND	U	54	9.7	10	11/11/10	11/23/10	JWG1003997	
2-Chloronaphthalene	ND	U	54	7.7	10	11/11/10	11/23/10	JWG1003997	
2-Chlorophenol	ND	U	54	8.1	10	11/11/10	11/23/10	JWG1003997	
2-Methyl-4,6-dinitrophenol	ND	UJ	220	6.9	10	11/11/10	11/23/10	JWG1003997	J(3)
2-Methylnaphthalene	ND	U	54	8.0	10	11/11/10	11/23/10	JWG1003997	
2-Methylphenol	**16**	I	54	6.9	10	11/11/10	11/23/10	JWG1003997	
2-Naphthylamine	ND	UJ	54	12	10	11/11/10	11/23/10	JWG1003997	J(3)
2-Nitroaniline	ND	U	54	6.0	10	11/11/10	11/23/10	JWG1003997	
2-Nitrophenol	ND	U	220	6.5	10	11/11/10	11/23/10	JWG1003997	
3,3'-Dichlorobenzidine	ND	U	220	9.6	10	11/11/10	11/23/10	JWG1003997	
3,3'-Dimethylbenzidine	ND	U	220	25	10	11/11/10	11/23/10	JWG1003997	
3-Methylcholanthrene	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
3-Nitroaniline	ND	U	54	8.1	10	11/11/10	11/23/10	JWG1003997	
4-Aminobiphenyl	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
4-Bromophenyl Phenyl Ether	ND	U	54	7.3	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-1
Lab Code: J1005462-005

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	54	8.1	10	11/11/10	11/23/10	JWG1003997	
4-Chloroaniline	ND	U	54	5.7	10	11/11/10	11/23/10	JWG1003997	
4-Chlorophenyl Phenyl Ether	ND	U	54	6.6	10	11/11/10	11/23/10	JWG1003997	
4-Methylphenol†	**290**		54	8.3	10	11/11/10	11/23/10	JWG1003997	
4-Nitroaniline	ND	U	54	9.9	10	11/11/10	11/23/10	JWG1003997	
4-Nitrophenol	ND	UJ	220	10	10	11/11/10	11/23/10	JWG1003997	J(3)
5-Nitro-o-toluidine	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
7,12-Dimethylbenz(a)anthracene	ND	U	54	9.4	10	11/11/10	11/23/10	JWG1003997	
Acenaphthene	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Acenaphthylene	ND	U	54	6.3	10	11/11/10	11/23/10	JWG1003997	
Acetophenone	ND	U	110	14	10	11/11/10	11/23/10	JWG1003997	
Anthracene	ND	U	54	7.7	10	11/11/10	11/23/10	JWG1003997	
Benz(a)anthracene	ND	U	54	9.3	10	11/11/10	11/23/10	JWG1003997	
Benzo(a)pyrene	ND	U	54	6.8	10	11/11/10	11/23/10	JWG1003997	
Benzo(b)fluoranthene	ND	U	54	9.4	10	11/11/10	11/23/10	JWG1003997	
Benzo(g,h,i)perylene	ND	U	54	9.8	10	11/11/10	11/23/10	JWG1003997	
Benzo(k)fluoranthene	ND	U	54	5.9	10	11/11/10	11/23/10	JWG1003997	
Benzyl alcohol	ND	U	54	7.5	10	11/11/10	11/23/10	JWG1003997	
bis(2-Chloroethoxy)methane	ND	U	54	9.6	10	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroethyl) Ether	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroisopropyl) Ether	ND	U	54	6.2	10	11/11/10	11/23/10	JWG1003997	
Bis(2-ethylhexyl) Phthalate	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Butyl Benzyl Phthalate	ND	U	110	12	10	11/11/10	11/23/10	JWG1003997	
Chlorobenzilate	ND	U	110	9.1	10	11/11/10	11/23/10	JWG1003997	
Chrysene	ND	U	54	9.4	10	11/11/10	11/23/10	JWG1003997	
Di-n-butyl Phthalate	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Di-n-octyl Phthalate	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Diallate	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
Dibenz(a,h)anthracene	ND	U	54	6.7	10	11/11/10	11/23/10	JWG1003997	
Dibenzofuran	ND	U	54	8.5	10	11/11/10	11/23/10	JWG1003997	
Diethyl Phthalate	ND	U	54	45	10	11/11/10	11/23/10	JWG1003997	
Dimethoate	ND	U	54	9.7	10	11/11/10	11/23/10	JWG1003997	
Dimethyl Phthalate	ND	U	54	8.2	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-1
Lab Code: J1005462-005

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	110	6.6	10	11/11/10	11/23/10	JWG1003997	
Disulfoton	ND	U	54	5.6	10	11/11/10	11/23/10	JWG1003997	
Ethyl Methanesulfonate	ND	U	54	7.0	10	11/11/10	11/23/10	JWG1003997	
Famphur	ND	UJ	110	7.5	10	11/11/10	11/23/10	JWG1003997	J(3)
Fluoranthene	ND	U	54	7.1	10	11/11/10	11/23/10	JWG1003997	
Fluorene	ND	U	54	9.5	10	11/11/10	11/23/10	JWG1003997	
Hexachlorobenzene	ND	U	54	6.8	10	11/11/10	11/23/10	JWG1003997	
Hexachlorobutadiene	ND	U	54	6.6	10	11/11/10	11/23/10	JWG1003997	
Hexachlorocyclopentadiene	ND	U	54	4.5	10	11/11/10	11/23/10	JWG1003997	
Hexachloroethane	ND	U	54	9.9	10	11/11/10	11/23/10	JWG1003997	
Hexachloropropene	ND	U	54	21	10	11/11/10	11/23/10	JWG1003997	
Indeno(1,2,3-cd)pyrene	ND	U	54	6.0	10	11/11/10	11/23/10	JWG1003997	
Isodrin	ND	U	110	7.7	10	11/11/10	11/23/10	JWG1003997	
Isophorone	ND	U	54	8.7	10	11/11/10	11/23/10	JWG1003997	
Isosafrole	ND	U	54	8.1	10	11/11/10	11/23/10	JWG1003997	
Kepone	ND	UJ	540	46	10	11/11/10	11/23/10	JWG1003997	J(3)
Methapyrilene	ND	U	54	17	10	11/11/10	11/23/10	JWG1003997	
Methyl Methanesulfonate	ND	UJ	54	6.1	10	11/11/10	11/23/10	JWG1003997	J(3)
Methyl Parathion	ND	U	110	12	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-butylamine	ND	U	54	7.3	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-propylamine	ND	U	54	7.4	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiethylamine	ND	U	54	6.8	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodimethylamine	ND	U	54	7.9	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiphenylamine†	ND	U	54	11	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosomethylethylamine	ND	U	54	8.9	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosopiperidine	ND	U	54	18	10	11/11/10	11/23/10	JWG1003997	
N-Nitrosopyrrolidine	ND	U	54	7.6	10	11/11/10	11/23/10	JWG1003997	
Naphthalene	ND	U	54	8.5	10	11/11/10	11/23/10	JWG1003997	
Nitrobenzene	ND	U	54	7.9	10	11/11/10	11/23/10	JWG1003997	
O,O,O-Triethyl Phosphorothioate	ND	U	220	5.6	10	11/11/10	11/23/10	JWG1003997	
o-Toluidine	ND	U	54	9.6	10	11/11/10	11/23/10	JWG1003997	
p-Dimethylaminoazobenzene	ND	U	54	9.6	10	11/11/10	11/23/10	JWG1003997	
p-Phenylenediamine	ND	U	220	12	10	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-1
Lab Code: J1005462-005

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	220	10	10	11/11/10	11/23/10	JWG1003997	
Pentachlorobenzene	ND	U	54	26	10	11/11/10	11/23/10	JWG1003997	
Pentachloronitrobenzene	ND	U	54	17	10	11/11/10	11/23/10	JWG1003997	
Pentachlorophenol	ND	UJ	220	7.3	10	11/11/10	11/23/10	JWG1003997	J(3)
Phenacetin	ND	U	54	9.6	10	11/11/10	11/23/10	JWG1003997	
Phenanthrene	ND	U	54	7.6	10	11/11/10	11/23/10	JWG1003997	
Phenol	**220**		54	4.6	10	11/11/10	11/23/10	JWG1003997	
Phorate	ND	UJ	54	9.5	10	11/11/10	11/23/10	JWG1003997	J(3)
Pronamide	ND	U	220	9.2	10	11/11/10	11/23/10	JWG1003997	
Pyrene	ND	U	54	9.1	10	11/11/10	11/23/10	JWG1003997	
Safrole	ND	U	54	7.7	10	11/11/10	11/23/10	JWG1003997	
Thionazin	ND	U	110	8.8	10	11/11/10	11/23/10	JWG1003997	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	63	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	57	30-102	11/23/10	Acceptable
2-Fluorophenol	29	10-77	11/23/10	Acceptable
Nitrobenzene-d5	76	32-106	11/23/10	Acceptable
Phenol-d6	36	10-51	11/23/10	Acceptable
Terphenyl-d14	53	23-165	11/23/10	Acceptable

† **Analyte Comments**

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-2
Lab Code: J1005462-007

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	220	25	40	11/11/10	11/23/10	JWG1003997	
1,2,4-Trichlorobenzene	ND	U	220	35	40	11/11/10	11/23/10	JWG1003997	
1,2-Dichlorobenzene	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
1,3,5-Trinitrobenzene	ND	U	220	49	40	11/11/10	11/23/10	JWG1003997	
1,3-Dichlorobenzene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
1,3-Dinitrobenzene	ND	U	440	66	40	11/11/10	11/23/10	JWG1003997	
1,4-Dichlorobenzene	ND	U	220	53	40	11/11/10	11/23/10	JWG1003997	
1,4-Naphthoquinone†	ND	U	440	440	40	11/11/10	11/23/10	JWG1003997	
1-Naphthylamine	ND	U	220	49	40	11/11/10	11/23/10	JWG1003997	
2,3,4,6-Tetrachlorophenol	ND	U	220	53	40	11/11/10	11/23/10	JWG1003997	
2,4,5-Trichlorophenol	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	
2,4,6-Trichlorophenol	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
2,4-Dichlorophenol	ND	U	220	22	40	11/11/10	11/23/10	JWG1003997	
2,4-Dimethylphenol	ND	UJ	220	35	40	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrophenol	ND	UJ	880	24	40	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrotoluene	ND	U	220	190	40	11/11/10	11/23/10	JWG1003997	
2,6-Dichlorophenol	ND	U	440	32	40	11/11/10	11/23/10	JWG1003997	
2,6-Dinitrotoluene	ND	U	220	37	40	11/11/10	11/23/10	JWG1003997	
2-Acetylaminofluorene	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
2-Chloronaphthalene	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
2-Chlorophenol	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
2-Methyl-4,6-dinitrophenol	ND	UJ	880	29	40	11/11/10	11/23/10	JWG1003997	J(3)
2-Methylnaphthalene	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
2-Methylphenol	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	
2-Naphthylamine	ND	UJ	220	49	40	11/11/10	11/23/10	JWG1003997	J(3)
2-Nitroaniline	ND	U	220	25	40	11/11/10	11/23/10	JWG1003997	
2-Nitrophenol	ND	U	880	27	40	11/11/10	11/23/10	JWG1003997	
3,3'-Dichlorobenzidine	ND	U	880	40	40	11/11/10	11/23/10	JWG1003997	
3,3'-Dimethylbenzidine	ND	U	880	110	40	11/11/10	11/23/10	JWG1003997	
3-Methylcholanthrene	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
3-Nitroaniline	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
4-Aminobiphenyl	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
4-Bromophenyl Phenyl Ether	ND	U	220	30	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-2
Lab Code: J1005462-007

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
4-Chloroaniline	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
4-Chlorophenyl Phenyl Ether	ND	U	220	27	40	11/11/10	11/23/10	JWG1003997	
4-Methylphenol†	**900**		220	34	40	11/11/10	11/23/10	JWG1003997	
4-Nitroaniline	ND	U	220	41	40	11/11/10	11/23/10	JWG1003997	
4-Nitrophenol	ND	UJ	880	41	40	11/11/10	11/23/10	JWG1003997	J(3)
5-Nitro-o-toluidine	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
7,12-Dimethylbenz(a)anthracene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Acenaphthene	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
Acenaphthylene	ND	U	220	26	40	11/11/10	11/23/10	JWG1003997	
Acetophenone	ND	U	440	58	40	11/11/10	11/23/10	JWG1003997	
Anthracene	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
Benz(a)anthracene	ND	U	220	38	40	11/11/10	11/23/10	JWG1003997	
Benzo(a)pyrene	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Benzo(b)fluoranthene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Benzo(g,h,i)perylene	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Benzo(k)fluoranthene	ND	U	220	24	40	11/11/10	11/23/10	JWG1003997	
Benzyl alcohol	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
bis(2-Chloroethoxy)methane	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroethyl) Ether	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroisopropyl) Ether	ND	U	220	26	40	11/11/10	11/23/10	JWG1003997	
Bis(2-ethylhexyl) Phthalate	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
Butyl Benzyl Phthalate	ND	U	440	49	40	11/11/10	11/23/10	JWG1003997	
Chlorobenzilate	ND	U	440	37	40	11/11/10	11/23/10	JWG1003997	
Chrysene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Di-n-butyl Phthalate	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
Di-n-octyl Phthalate	ND	U	220	42	40	11/11/10	11/23/10	JWG1003997	
Diallate	ND	U	220	44	40	11/11/10	11/23/10	JWG1003997	
Dibenz(a,h)anthracene	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Dibenzofuran	ND	U	220	35	40	11/11/10	11/23/10	JWG1003997	
Diethyl Phthalate	ND	U	220	190	40	11/11/10	11/23/10	JWG1003997	
Dimethoate	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Dimethyl Phthalate	ND	U	220	34	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-2
Lab Code: J1005462-007

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	440	27	40	11/11/10	11/23/10	JWG1003997	
Disulfoton	ND	U	220	23	40	11/11/10	11/23/10	JWG1003997	
Ethyl Methanesulfonate	ND	U	220	29	40	11/11/10	11/23/10	JWG1003997	
Famphur	ND	UJ	440	31	40	11/11/10	11/23/10	JWG1003997	J(3)
Fluoranthene	ND	U	220	30	40	11/11/10	11/23/10	JWG1003997	
Fluorene	ND	U	220	39	40	11/11/10	11/23/10	JWG1003997	
Hexachlorobenzene	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
Hexachlorobutadiene	ND	U	220	27	40	11/11/10	11/23/10	JWG1003997	
Hexachlorocyclopentadiene	ND	U	220	19	40	11/11/10	11/23/10	JWG1003997	
Hexachloroethane	ND	U	220	41	40	11/11/10	11/23/10	JWG1003997	
Hexachloropropene	ND	U	220	84	40	11/11/10	11/23/10	JWG1003997	
Indeno(1,2,3-cd)pyrene	ND	U	220	25	40	11/11/10	11/23/10	JWG1003997	
Isodrin	ND	U	440	32	40	11/11/10	11/23/10	JWG1003997	
Isophorone	ND	U	220	36	40	11/11/10	11/23/10	JWG1003997	
Isosafrole	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
Kepone	ND	UJ	2200	190	40	11/11/10	11/23/10	JWG1003997	J(3)
Methapyrilene	ND	U	220	66	40	11/11/10	11/23/10	JWG1003997	
Methyl Methanesulfonate	ND	UJ	220	25	40	11/11/10	11/23/10	JWG1003997	J(3)
Methyl Parathion	ND	U	440	49	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-butylamine	ND	U	220	30	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-propylamine	**310**		220	30	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiethylamine	ND	U	220	28	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodimethylamine	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiphenylamine†	ND	U	220	43	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosomethylethylamine	ND	U	220	37	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosopiperidine	ND	U	220	71	40	11/11/10	11/23/10	JWG1003997	
N-Nitrosopyrrolidine	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Naphthalene	ND	U	220	35	40	11/11/10	11/23/10	JWG1003997	
Nitrobenzene	ND	U	220	33	40	11/11/10	11/23/10	JWG1003997	
O,O,O-Triethyl Phosphorothioate	ND	U	880	23	40	11/11/10	11/23/10	JWG1003997	
o-Toluidine	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
p-Dimethylaminoazobenzene	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
p-Phenylenediamine	ND	U	880	49	40	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-2
Lab Code: J1005462-007

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	880	41	40	11/11/10	11/23/10	JWG1003997	
Pentachlorobenzene	ND	U	220	110	40	11/11/10	11/23/10	JWG1003997	
Pentachloronitrobenzene	ND	U	220	66	40	11/11/10	11/23/10	JWG1003997	
Pentachlorophenol	ND	UJ	880	30	40	11/11/10	11/23/10	JWG1003997	J(3)
Phenacetin	ND	U	220	40	40	11/11/10	11/23/10	JWG1003997	
Phenanthrene	ND	U	220	31	40	11/11/10	11/23/10	JWG1003997	
Phenol	**980**		220	19	40	11/11/10	11/23/10	JWG1003997	
Phorate	ND	UJ	220	39	40	11/11/10	11/23/10	JWG1003997	J(3)
Pronamide	ND	U	880	38	40	11/11/10	11/23/10	JWG1003997	
Pyrene	ND	U	220	37	40	11/11/10	11/23/10	JWG1003997	
Safrole	ND	U	220	32	40	11/11/10	11/23/10	JWG1003997	
Thionazin	ND	U	440	36	40	11/11/10	11/23/10	JWG1003997	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	50	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	65	30-102	11/23/10	Acceptable
2-Fluorophenol	27	10-77	11/23/10	Acceptable
Nitrobenzene-d5	102	32-106	11/23/10	Acceptable
Phenol-d6	45	10-51	11/23/10	Acceptable
Terphenyl-d14	50	23-165	11/23/10	Acceptable

† **Analyte Comments**

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG1003997-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	5.0	0.55	1	11/11/10	11/23/10	JWG1003997	
1,2,4-Trichlorobenzene	ND	U	5.0	0.78	1	11/11/10	11/23/10	JWG1003997	
1,2-Dichlorobenzene	ND	U	5.0	0.74	1	11/11/10	11/23/10	JWG1003997	
1,3,5-Trinitrobenzene	ND	U	5.0	1.1	1	11/11/10	11/23/10	JWG1003997	
1,3-Dichlorobenzene	ND	U	5.0	0.70	1	11/11/10	11/23/10	JWG1003997	
1,3-Dinitrobenzene	ND	U	10	1.5	1	11/11/10	11/23/10	JWG1003997	
1,4-Dichlorobenzene	ND	U	5.0	1.2	1	11/11/10	11/23/10	JWG1003997	
1,4-Naphthoquinone†	ND	U	10	10	1	11/11/10	11/23/10	JWG1003997	
1-Naphthylamine	ND	U	5.0	1.1	1	11/11/10	11/23/10	JWG1003997	
2,3,4,6-Tetrachlorophenol	ND	U	5.0	1.2	1	11/11/10	11/23/10	JWG1003997	
2,4,5-Trichlorophenol	ND	U	5.0	0.65	1	11/11/10	11/23/10	JWG1003997	
2,4,6-Trichlorophenol	ND	U	5.0	0.73	1	11/11/10	11/23/10	JWG1003997	
2,4-Dichlorophenol	ND	U	5.0	0.50	1	11/11/10	11/23/10	JWG1003997	
2,4-Dimethylphenol	ND	UJ	5.0	0.79	1	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrophenol	ND	UJ	20	0.54	1	11/11/10	11/23/10	JWG1003997	J(3)
2,4-Dinitrotoluene	ND	U	5.0	4.1	1	11/11/10	11/23/10	JWG1003997	
2,6-Dichlorophenol	ND	U	10	0.72	1	11/11/10	11/23/10	JWG1003997	
2,6-Dinitrotoluene	ND	U	5.0	0.83	1	11/11/10	11/23/10	JWG1003997	
2-Acetylaminofluorene	ND	U	5.0	0.90	1	11/11/10	11/23/10	JWG1003997	
2-Chloronaphthalene	ND	U	5.0	0.71	1	11/11/10	11/23/10	JWG1003997	
2-Chlorophenol	ND	U	5.0	0.75	1	11/11/10	11/23/10	JWG1003997	
2-Methyl-4,6-dinitrophenol	ND	UJ	20	0.64	1	11/11/10	11/23/10	JWG1003997	J(3)
2-Methylnaphthalene	ND	U	5.0	0.74	1	11/11/10	11/23/10	JWG1003997	
2-Methylphenol	ND	U	5.0	0.64	1	11/11/10	11/23/10	JWG1003997	
2-Naphthylamine	ND	UJ	5.0	1.1	1	11/11/10	11/23/10	JWG1003997	J(3)
2-Nitroaniline	ND	U	5.0	0.55	1	11/11/10	11/23/10	JWG1003997	
2-Nitrophenol	ND	U	20	0.60	1	11/11/10	11/23/10	JWG1003997	
3,3'-Dichlorobenzidine	ND	U	20	0.89	1	11/11/10	11/23/10	JWG1003997	
3,3'-Dimethylbenzidine	ND	U	20	2.3	1	11/11/10	11/23/10	JWG1003997	
3-Methylcholanthrene	ND	U	5.0	0.97	1	11/11/10	11/23/10	JWG1003997	
3-Nitroaniline	ND	U	5.0	0.75	1	11/11/10	11/23/10	JWG1003997	
4-Aminobiphenyl	ND	U	5.0	0.99	1	11/11/10	11/23/10	JWG1003997	
4-Bromophenyl Phenyl Ether	ND	U	5.0	0.67	1	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: Method Blank
Lab Code: JWG1003997-4

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	5.0	0.75	1	11/11/10	11/23/10	JWG1003997	
4-Chloroaniline	ND	U	5.0	0.53	1	11/11/10	11/23/10	JWG1003997	
4-Chlorophenyl Phenyl Ether	ND	U	5.0	0.61	1	11/11/10	11/23/10	JWG1003997	
4-Methylphenol†	ND	U	5.0	0.77	1	11/11/10	11/23/10	JWG1003997	
4-Nitroaniline	ND	U	5.0	0.92	1	11/11/10	11/23/10	JWG1003997	
4-Nitrophenol	ND	UJ	20	0.93	1	11/11/10	11/23/10	JWG1003997	J(3)
5-Nitro-o-toluidine	ND	U	5.0	1.0	1	11/11/10	11/23/10	JWG1003997	
7,12-Dimethylbenz(a)anthracene	ND	U	5.0	0.87	1	11/11/10	11/23/10	JWG1003997	
Acenaphthene	ND	U	5.0	0.99	1	11/11/10	11/23/10	JWG1003997	
Acenaphthylene	ND	U	5.0	0.58	1	11/11/10	11/23/10	JWG1003997	
Acetophenone	ND	U	10	1.3	1	11/11/10	11/23/10	JWG1003997	
Anthracene	ND	U	5.0	0.71	1	11/11/10	11/23/10	JWG1003997	
Benz(a)anthracene	ND	U	5.0	0.86	1	11/11/10	11/23/10	JWG1003997	
Benzo(a)pyrene	ND	U	5.0	0.63	1	11/11/10	11/23/10	JWG1003997	
Benzo(b)fluoranthene	ND	U	5.0	0.87	1	11/11/10	11/23/10	JWG1003997	
Benzo(g,h,i)perylene	ND	U	5.0	0.91	1	11/11/10	11/23/10	JWG1003997	
Benzo(k)fluoranthene	ND	U	5.0	0.54	1	11/11/10	11/23/10	JWG1003997	
Benzyl alcohol	ND	U	5.0	0.69	1	11/11/10	11/23/10	JWG1003997	
bis(2-Chloroethoxy)methane	ND	U	5.0	0.89	1	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroethyl) Ether	ND	U	5.0	0.96	1	11/11/10	11/23/10	JWG1003997	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	0.57	1	11/11/10	11/23/10	JWG1003997	
Bis(2-ethylhexyl) Phthalate	ND	U	5.0	0.98	1	11/11/10	11/23/10	JWG1003997	
Butyl Benzyl Phthalate	ND	U	10	1.1	1	11/11/10	11/23/10	JWG1003997	
Chlorobenzilate	ND	U	10	0.84	1	11/11/10	11/23/10	JWG1003997	
Chrysene	ND	U	5.0	0.87	1	11/11/10	11/23/10	JWG1003997	
Di-n-butyl Phthalate	ND	U	5.0	0.97	1	11/11/10	11/23/10	JWG1003997	
Di-n-octyl Phthalate	ND	U	5.0	0.95	1	11/11/10	11/23/10	JWG1003997	
Diallate	ND	U	5.0	1.0	1	11/11/10	11/23/10	JWG1003997	
Dibenz(a,h)anthracene	ND	U	5.0	0.62	1	11/11/10	11/23/10	JWG1003997	
Dibenzofuran	ND	U	5.0	0.79	1	11/11/10	11/23/10	JWG1003997	
Diethyl Phthalate	ND	U	5.0	4.1	1	11/11/10	11/23/10	JWG1003997	
Dimethoate	ND	U	5.0	0.90	1	11/11/10	11/23/10	JWG1003997	
Dimethyl Phthalate	ND	U	5.0	0.76	1	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: Method Blank
Lab Code: JWG1003997-4

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	10	0.61	1	11/11/10	11/23/10	JWG1003997	
Disulfoton	ND	U	5.0	0.52	1	11/11/10	11/23/10	JWG1003997	
Ethyl Methanesulfonate	ND	U	5.0	0.65	1	11/11/10	11/23/10	JWG1003997	
Famphur	ND	UJ	10	0.69	1	11/11/10	11/23/10	JWG1003997	J(3)
Fluoranthene	ND	U	5.0	0.66	1	11/11/10	11/23/10	JWG1003997	
Fluorene	ND	U	5.0	0.88	1	11/11/10	11/23/10	JWG1003997	
Hexachlorobenzene	ND	U	5.0	0.63	1	11/11/10	11/23/10	JWG1003997	
Hexachlorobutadiene	ND	U	5.0	0.61	1	11/11/10	11/23/10	JWG1003997	
Hexachlorocyclopentadiene	ND	U	5.0	0.41	1	11/11/10	11/23/10	JWG1003997	
Hexachloroethane	ND	U	5.0	0.92	1	11/11/10	11/23/10	JWG1003997	
Hexachloropropene	ND	U	5.0	1.9	1	11/11/10	11/23/10	JWG1003997	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	0.55	1	11/11/10	11/23/10	JWG1003997	
Isodrin	ND	U	10	0.71	1	11/11/10	11/23/10	JWG1003997	
Isophorone	ND	U	5.0	0.80	1	11/11/10	11/23/10	JWG1003997	
Isosafrole	ND	U	5.0	0.75	1	11/11/10	11/23/10	JWG1003997	
Kepone	ND	UJ	50	4.2	1	11/11/10	11/23/10	JWG1003997	J(3)
Methapyrilene	ND	U	5.0	1.5	1	11/11/10	11/23/10	JWG1003997	
Methyl Methanesulfonate	ND	UJ	5.0	0.56	1	11/11/10	11/23/10	JWG1003997	J(3)
Methyl Parathion	ND	U	10	1.1	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-butylamine	ND	U	5.0	0.67	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosodi-n-propylamine	ND	U	5.0	0.68	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiethylamine	ND	U	5.0	0.63	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosodimethylamine	ND	U	5.0	0.73	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosodiphenylamine†	ND	U	5.0	0.96	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosomethylethylamine	ND	U	5.0	0.82	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosopiperidine	ND	U	5.0	1.6	1	11/11/10	11/23/10	JWG1003997	
N-Nitrosopyrrolidine	ND	U	5.0	0.70	1	11/11/10	11/23/10	JWG1003997	
Naphthalene	ND	U	5.0	0.79	1	11/11/10	11/23/10	JWG1003997	
Nitrobenzene	ND	U	5.0	0.73	1	11/11/10	11/23/10	JWG1003997	
O,O,O-Triethyl Phosphorothioate	ND	U	20	0.52	1	11/11/10	11/23/10	JWG1003997	
o-Toluidine	ND	U	5.0	0.89	1	11/11/10	11/23/10	JWG1003997	
p-Dimethylaminoazobenzene	ND	U	5.0	0.89	1	11/11/10	11/23/10	JWG1003997	
p-Phenylenediamine	ND	U	20	1.1	1	11/11/10	11/23/10	JWG1003997	

Comments:

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: Method Blank
Lab Code: JWG1003997-4

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	20	0.93	1	11/11/10	11/23/10	JWG1003997	
Pentachlorobenzene	ND	U	5.0	2.4	1	11/11/10	11/23/10	JWG1003997	
Pentachloronitrobenzene	ND	U	5.0	1.5	1	11/11/10	11/23/10	JWG1003997	
Pentachlorophenol	ND	UJ	20	0.67	1	11/11/10	11/23/10	JWG1003997	J(3)
Phenacetin	ND	U	5.0	0.89	1	11/11/10	11/23/10	JWG1003997	
Phenanthrene	ND	U	5.0	0.70	1	11/11/10	11/23/10	JWG1003997	
Phenol	ND	U	5.0	0.42	1	11/11/10	11/23/10	JWG1003997	
Phorate	ND	UJ	5.0	0.88	1	11/11/10	11/23/10	JWG1003997	J(3)
Pronamide	ND	U	20	0.85	1	11/11/10	11/23/10	JWG1003997	
Pyrene	ND	U	5.0	0.84	1	11/11/10	11/23/10	JWG1003997	
Safrole	ND	U	5.0	0.71	1	11/11/10	11/23/10	JWG1003997	
Thionazin	ND	U	10	0.81	1	11/11/10	11/23/10	JWG1003997	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	64	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	61	30-102	11/23/10	Acceptable
2-Fluorophenol	29	10-77	11/23/10	Acceptable
Nitrobenzene-d5	60	32-106	11/23/10	Acceptable
Phenol-d6	21	10-51	11/23/10	Acceptable
Terphenyl-d14	75	23-165	11/23/10	Acceptable

† **Analyte Comments**

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/2010
Sample Matrix:	Water	**Date Received:**	11/11/2010

Organochlorine Pesticides by GC-ECD

Sample Name:	L-5	**Units:**	ug/L
Lab Code:	J1005462-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.023	0.0088	1	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.023	0.0092	1	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.023	0.0095	1	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.023	0.013	1	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.023	0.0076	1	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.023	0.0088	1	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.023	0.0084	1	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.023	0.0074	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.023	0.0094	1	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.023	0.0099	1	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.023	0.0082	1	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.023	0.010	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.023	0.0088	1	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.023	0.0072	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.023	0.015	1	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.023	0.0095	1	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.045	0.013	1	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.023	0.0059	1	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	0.56	0.56	1	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	39	32-92	11/22/10	Acceptable
Decachlorobiphenyl	12	13-104	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Organochlorine Pesticides by GC-ECD

Sample Name: L-4
Lab Code: J1005462-003

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8081A

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.023	0.0090	1	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.023	0.0094	1	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.023	0.0097	1	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.023	0.013	1	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.023	0.0078	1	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.023	0.0090	1	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.023	0.0086	1	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.023	0.0075	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.023	0.0096	1	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.023	0.0083	1	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.023	0.0090	1	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.023	0.0073	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.023	0.015	1	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.023	0.0097	1	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.046	0.013	1	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.023	0.011	1	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.023	0.0061	1	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	0.57	0.57	1	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	46	32-92	11/22/10	Acceptable
Decachlorobiphenyl	21	13-104	11/22/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Organochlorine Pesticides by GC-ECD

Sample Name: L-1
Lab Code: J1005462-005

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8081A

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.22	0.085	10	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.22	0.088	10	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.22	0.091	10	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.22	0.12	10	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.22	0.11	10	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.22	0.073	10	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.22	0.085	10	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.22	0.080	10	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.22	0.071	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.22	0.090	10	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.22	0.095	10	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.22	0.078	10	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.22	0.096	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.22	0.085	10	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.22	0.069	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.22	0.14	10	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.22	0.091	10	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.43	0.12	10	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.22	0.098	10	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.22	0.057	10	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	5.4	5.4	10	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	38	32-92	11/22/10	Acceptable
Decachlorobiphenyl	18	13-104	11/22/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/2010
Sample Matrix:	Water	**Date Received:**	11/11/2010

Organochlorine Pesticides by GC-ECD

Sample Name:	L-2	**Units:**	ug/L
Lab Code:	J1005462-007	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.44	0.18	20	11/12/10	11/24/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.44	0.18	20	11/12/10	11/24/10	JWG1004036	J(3)
beta-BHC	ND	U	0.44	0.19	20	11/12/10	11/24/10	JWG1004036	
delta-BHC	ND	U	0.44	0.24	20	11/12/10	11/24/10	JWG1004036	
Heptachlor	ND	U	0.44	0.21	20	11/12/10	11/24/10	JWG1004036	
Aldrin	ND	U	0.44	0.15	20	11/12/10	11/24/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.44	0.18	20	11/12/10	11/24/10	JWG1004036	
gamma-Chlordane	ND	U	0.44	0.17	20	11/12/10	11/24/10	JWG1004036	
alpha-Chlordane	ND	U	0.44	0.15	20	11/12/10	11/24/10	JWG1004036	
4,4'-DDE	ND	U	0.44	0.19	20	11/12/10	11/24/10	JWG1004036	
Endosulfan I	ND	U	0.44	0.20	20	11/12/10	11/24/10	JWG1004036	
Dieldrin	ND	U	0.44	0.16	20	11/12/10	11/24/10	JWG1004036	
Endrin	ND	U	0.44	0.20	20	11/12/10	11/24/10	JWG1004036	
4,4'-DDD	ND	U	0.44	0.18	20	11/12/10	11/24/10	JWG1004036	
Endosulfan II	ND	U	0.44	0.14	20	11/12/10	11/24/10	JWG1004036	
4,4'-DDT	ND	U	0.44	0.29	20	11/12/10	11/24/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.44	0.19	20	11/12/10	11/24/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.87	0.24	20	11/12/10	11/24/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.44	0.20	20	11/12/10	11/24/10	JWG1004036	
Endrin Ketone	ND	U	0.44	0.12	20	11/12/10	11/24/10	JWG1004036	
Toxaphene	ND	U	11	11	20	11/12/10	11/24/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	105	32-92	11/24/10	Outside Control Limits
Decachlorobiphenyl	25	13-104	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Organochlorine Pesticides by GC-ECD

Sample Name: Method Blank
Lab Code: JWG1004036-2

Extraction Method: EPA 3510C
Analysis Method: 8081A

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.020	0.0082	1	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.020	0.0085	1	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.020	0.011	1	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.020	0.0096	1	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.020	0.0068	1	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.020	0.0075	1	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.020	0.0066	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.020	0.0084	1	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.020	0.0089	1	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.020	0.0073	1	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.020	0.0090	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.020	0.0064	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.020	0.013	1	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.020	0.0085	1	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.040	0.011	1	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.020	0.0092	1	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.020	0.0053	1	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	0.50	0.50	1	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	53	32-92	11/22/10	Acceptable
Decachlorobiphenyl	58	13-104	11/22/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-5
Lab Code: J1005462-001

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.56	0.15	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1221	ND	U	0.56	0.25	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1232	ND	U	0.56	0.26	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1242	ND	U	0.56	0.14	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1248	ND	U	0.56	0.29	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1254	ND	U	0.56	0.42	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1260	ND	U	0.56	0.19	1	11/12/10	11/18/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	14	24-120	11/18/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-4
Lab Code: J1005462-003

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.57	0.15	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1221	ND	U	0.57	0.25	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1232	ND	U	0.57	0.27	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1242	ND	U	0.57	0.14	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1248	ND	U	0.57	0.30	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1254	ND	U	0.57	0.43	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1260	ND	U	0.57	0.20	1	11/12/10	11/22/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	21	24-120	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-1
Lab Code: J1005462-005

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.4	1.4	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1221	ND	U	5.4	2.4	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1232	ND	U	5.4	2.5	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1242	ND	U	5.4	1.3	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1248	ND	U	5.4	2.8	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1254	ND	U	5.4	4.0	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1260	ND	U	5.4	1.9	10	11/12/10	11/22/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	18	24-120	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/2010
Date Received: 11/11/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-2
Lab Code: J1005462-007

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	11	2.9	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1221	ND	U	11	4.8	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1232	ND	U	11	5.0	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1242	ND	U	11	2.7	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1248	ND	U	11	5.7	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1254	ND	U	11	8.1	20	11/12/10	11/23/10	JWG1004037	
Aroclor 1260	ND	U	11	3.7	20	11/12/10	11/23/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	40	24-120	11/23/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: Method Blank
Lab Code: JWG1004037-4

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.13	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1221	ND	U	0.50	0.22	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1232	ND	U	0.50	0.23	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1242	ND	U	0.50	0.12	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1248	ND	U	0.50	0.26	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1254	ND	U	0.50	0.37	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1260	ND	U	0.50	0.17	1	11/12/10	11/18/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	58	24-120	11/18/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 0900
Date Received: 11/11/10

Sample Name: L-5
Lab Code: J1005462-001

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6010B	**7**	I	µg/L	50	3	1	11/15/10	11/16/10 13:36	
Arsenic, Total Recoverable	6010B	**56**		µg/L	10	2	1	11/15/10	11/16/10 13:36	
Barium, Total Recoverable	6010B	**178**		µg/L	10	1	1	11/15/10	11/16/10 13:36	
Beryllium, Total Recoverable	6010B	**1.7**	I	µg/L	4.0	0.2	1	11/15/10	11/16/10 13:36	
Cadmium, Total Recoverable	6010B	ND	U	µg/L	5.0	1.0	1	11/15/10	11/16/10 13:36	
Chromium, Total Recoverable	6010B	**262**		µg/L	10	1	1	11/15/10	11/16/10 13:36	
Cobalt, Total Recoverable	6010B	**30**		µg/L	10	1	1	11/15/10	11/16/10 13:36	
Copper, Total Recoverable	6010B	**12**		µg/L	10	2	1	11/15/10	11/16/10 13:36	
Iron, Total Recoverable	6010B	**3680**		µg/L	100	10	1	11/15/10	11/16/10 13:36	
Lead, Total Recoverable	6010B	**6**	I	µg/L	10	2	1	11/15/10	11/16/10 13:36	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:38	
Nickel, Total Recoverable	6010B	**224**		µg/L	50	1	1	11/15/10	11/16/10 13:36	
Selenium, Total Recoverable	6010B	**56**		µg/L	50	4	1	11/15/10	11/16/10 13:36	
Silver, Total Recoverable	6010B	ND	U	µg/L	10	3	1	11/15/10	11/16/10 13:36	
Sodium, Total Recoverable	6010B	**1550**		mg/L	10	1	20	11/15/10	11/17/10 12:47	
Thallium, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 13:36	
Tin, Total Recoverable	6010B	ND	U	µg/L	40	3	1	11/15/10	11/16/10 13:36	
Vanadium, Total Recoverable	6010B	**419**		µg/L	20	2	1	11/15/10	11/16/10 13:36	
Zinc, Total Recoverable	6010B	**58**		µg/L	20	2	1	11/15/10	11/16/10 13:36	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/10 1030
Sample Matrix:	Water	**Date Received:**	11/11/10
Sample Name:	L-4		
Lab Code:	J1005462-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6010B	**58**		µg/L	50	3	1	11/15/10	11/16/10 13:44	
Arsenic, Total Recoverable	6010B	**178**		µg/L	10	2	1	11/15/10	11/16/10 13:44	
Barium, Total Recoverable	6010B	**271**		µg/L	10	1	1	11/15/10	11/16/10 13:44	
Beryllium, Total Recoverable	6010B	**2.5**	I	µg/L	4.0	0.2	1	11/15/10	11/16/10 13:44	
Cadmium, Total Recoverable	6010B	ND	U	µg/L	5.0	1.0	1	11/15/10	11/16/10 13:44	
Chromium, Total Recoverable	6010B	**548**		µg/L	10	1	1	11/15/10	11/16/10 13:44	
Cobalt, Total Recoverable	6010B	**33**		µg/L	10	1	1	11/15/10	11/16/10 13:44	
Copper, Total Recoverable	6010B	**57**		µg/L	10	2	1	11/15/10	11/16/10 13:44	
Iron, Total Recoverable	6010B	**4110**		µg/L	100	10	1	11/15/10	11/16/10 13:44	
Lead, Total Recoverable	6010B	**23**		µg/L	10	2	1	11/15/10	11/16/10 13:44	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:40	
Nickel, Total Recoverable	6010B	**197**		µg/L	50	1	1	11/15/10	11/16/10 13:44	
Selenium, Total Recoverable	6010B	**113**		µg/L	50	4	1	11/15/10	11/16/10 13:44	
Silver, Total Recoverable	6010B	ND	U	µg/L	10	3	1	11/15/10	11/16/10 13:44	
Sodium, Total Recoverable	6010B	**1440**		mg/L	10	1	20	11/15/10	11/17/10 12:49	
Thallium, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 13:44	
Tin, Total Recoverable	6010B	**28**	I	µg/L	40	3	1	11/15/10	11/16/10 13:44	
Vanadium, Total Recoverable	6010B	**571**		µg/L	20	2	1	11/15/10	11/16/10 13:44	
Zinc, Total Recoverable	6010B	**290**		µg/L	20	2	1	11/15/10	11/16/10 13:44	

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/10 1130
Sample Matrix:	Water	**Date Received:**	11/11/10
Sample Name:	L-1		
Lab Code:	J1005462-005	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6010B	**40**	I	µg/L	50	3	1	11/15/10	11/16/10 14:01	
Arsenic, Total Recoverable	6010B	**138**		µg/L	10	2	1	11/15/10	11/16/10 14:01	
Barium, Total Recoverable	6010B	**471**		µg/L	10	1	1	11/15/10	11/16/10 14:00	
Beryllium, Total Recoverable	6010B	**2.9**	I	µg/L	4.0	0.2	1	11/15/10	11/16/10 14:00	
Cadmium, Total Recoverable	6010B	**1.7**	I	µg/L	5.0	1.0	1	11/15/10	11/16/10 14:01	
Chromium, Total Recoverable	6010B	**545**		µg/L	10	1	1	11/15/10	11/16/10 14:00	
Cobalt, Total Recoverable	6010B	**37**		µg/L	10	1	1	11/15/10	11/16/10 14:01	
Copper, Total Recoverable	6010B	**57**		µg/L	10	2	1	11/15/10	11/16/10 14:00	
Iron, Total Recoverable	6010B	**6770**		µg/L	100	10	1	11/15/10	11/16/10 14:00	
Lead, Total Recoverable	6010B	**31**		µg/L	10	2	1	11/15/10	11/16/10 14:01	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:41	
Nickel, Total Recoverable	6010B	**596**		µg/L	50	1	1	11/15/10	11/16/10 14:00	
Selenium, Total Recoverable	6010B	**120**		µg/L	50	4	1	11/15/10	11/16/10 14:01	
Silver, Total Recoverable	6010B	ND	U	µg/L	10	3	1	11/15/10	11/16/10 14:00	
Sodium, Total Recoverable	6010B	**2430**		mg/L	10	1	20	11/15/10	11/17/10 12:52	
Thallium, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 14:01	
Tin, Total Recoverable	6010B	**15**	I	µg/L	40	3	1	11/15/10	11/16/10 14:01	
Vanadium, Total Recoverable	6010B	**514**		µg/L	20	2	1	11/15/10	11/16/10 14:00	
Zinc, Total Recoverable	6010B	**114**		µg/L	20	2	1	11/15/10	11/16/10 14:01	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 1245
Date Received: 11/11/10

Sample Name: L-2
Lab Code: J1005462-007

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6010B	**12**	I	µg/L	50	3	1	11/15/10	11/16/10 14:09	
Arsenic, Total Recoverable	6010B	**200**		µg/L	10	2	1	11/15/10	11/16/10 14:09	
Barium, Total Recoverable	6010B	**350**		µg/L	10	1	1	11/15/10	11/16/10 14:08	
Beryllium, Total Recoverable	6010B	**3.2**	I	µg/L	4.0	0.2	1	11/15/10	11/16/10 14:08	
Cadmium, Total Recoverable	6010B	ND	U	µg/L	5.0	1.0	1	11/15/10	11/16/10 14:09	
Chromium, Total Recoverable	6010B	**515**		µg/L	10	1	1	11/15/10	11/16/10 14:08	
Cobalt, Total Recoverable	6010B	**13**		µg/L	10	1	1	11/15/10	11/16/10 14:09	
Copper, Total Recoverable	6010B	**13**		µg/L	10	2	1	11/15/10	11/16/10 14:09	
Iron, Total Recoverable	6010B	**2580**		µg/L	100	10	1	11/15/10	11/16/10 14:08	
Lead, Total Recoverable	6010B	**11**		µg/L	10	2	1	11/15/10	11/16/10 14:09	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:43	
Nickel, Total Recoverable	6010B	**132**		µg/L	50	1	1	11/15/10	11/16/10 14:09	
Selenium, Total Recoverable	6010B	**87**		µg/L	50	4	1	11/15/10	11/16/10 14:09	
Silver, Total Recoverable	6010B	ND	U	µg/L	10	3	1	11/15/10	11/16/10 14:08	
Sodium, Total Recoverable	6010B	**1410**		mg/L	10	1	20	11/15/10	11/17/10 12:54	
Thallium, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 14:09	
Tin, Total Recoverable	6010B	**10**	I	µg/L	40	3	1	11/15/10	11/16/10 14:09	
Vanadium, Total Recoverable	6010B	**753**		µg/L	20	2	1	11/15/10	11/16/10 14:08	
Zinc, Total Recoverable	6010B	**34**		µg/L	20	2	1	11/15/10	11/16/10 14:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005462-MB	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 12:14	
Arsenic, Total Recoverable	6010B	ND	U	µg/L	10	2	1	11/15/10	11/16/10 12:14	
Barium, Total Recoverable	6010B	ND	U	µg/L	10	1	1	11/15/10	11/16/10 12:14	
Beryllium, Total Recoverable	6010B	ND	U	µg/L	4.0	0.2	1	11/15/10	11/16/10 12:14	
Cadmium, Total Recoverable	6010B	ND	U	µg/L	5.0	1.0	1	11/15/10	11/16/10 12:14	
Chromium, Total Recoverable	6010B	ND	U	µg/L	10	1	1	11/15/10	11/16/10 12:14	
Cobalt, Total Recoverable	6010B	ND	U	µg/L	10	1	1	11/15/10	11/16/10 12:14	
Copper, Total Recoverable	6010B	ND	U	µg/L	10	2	1	11/15/10	11/16/10 12:14	
Iron, Total Recoverable	6010B	ND	U	µg/L	100	4	1	11/15/10	11/16/10 12:14	
Lead, Total Recoverable	6010B	ND	U	µg/L	10	2	1	11/15/10	11/16/10 12:14	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/22/10	11/22/10 15:28	
Nickel, Total Recoverable	6010B	ND	U	µg/L	50	1	1	11/15/10	11/16/10 12:14	
Selenium, Total Recoverable	6010B	ND	U	µg/L	50	4	1	11/15/10	11/16/10 12:14	
Silver, Total Recoverable	6010B	ND	U	µg/L	10	3	1	11/15/10	11/16/10 12:14	
Sodium, Total Recoverable	6010B	ND	U	mg/L	0.50	0.02	1	11/15/10	11/16/10 12:12	
Thallium, Total Recoverable	6010B	ND	U	µg/L	50	3	1	11/15/10	11/16/10 12:14	
Tin, Total Recoverable	6010B	ND	U	µg/L	40	3	1	11/15/10	11/16/10 12:14	
Vanadium, Total Recoverable	6010B	ND	U	µg/L	20	2	1	11/15/10	11/16/10 12:14	
Zinc, Total Recoverable	6010B	ND	U	µg/L	20	2	1	11/15/10	11/16/10 12:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/10 0900
Sample Matrix:	Water	**Date Received:**	11/11/10
Sample Name:	L-5		
Lab Code:	J1005462-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**696**		mg/L	2.0	0.8	200	NA	11/15/10 14:25	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**124**		mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	**5490**		mg/L	200	20	10	NA	11/18/10 16:05	
Chloride	300.0	**2770**		mg/L	50	9	100	NA	11/11/10 15:33	
Cyanide, Total	335.4	**40**		µg/L	10	3	1	11/16/10	11/16/10 15:38	
Nitrate as Nitrogen	300.0	ND	U	mg/L	2.0	0.8	10	NA	11/11/10 16:33	
Solids, Total Dissolved	SM 2540 C	**9280**		mg/L	200	200	20	NA	11/12/10 15:24	
Sulfide, Total	SM 4500-S2- F	**22**	I	mg/L	40	8	20	NA	11/15/10 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/10 1030
Sample Matrix:	Water	**Date Received:**	11/11/10
Sample Name:	L-4		
Lab Code:	J1005462-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**1150**		mg/L	2.0	0.8	200	NA	11/15/10 14:27	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**490**	J	mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	**9090**		mg/L	200	20	10	NA	11/18/10 16:05	
Chloride	300.0	**2490**		mg/L	50	9	100	NA	11/11/10 15:48	
Cyanide, Total	335.4	**36**		µg/L	10	3	1	11/16/10	11/16/10 15:42	
Nitrate as Nitrogen	300.0	**3.2**		mg/L	2.0	0.8	10	NA	11/11/10 16:48	
Solids, Total Dissolved	SM 2540 C	**11000**		mg/L	200	200	20	NA	11/12/10 15:24	
Sulfide, Total	SM 4500-S2- F	**24**	I	mg/L	40	8	20	NA	11/15/10 15:00	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 1130
Date Received: 11/11/10

Sample Name: L-1
Lab Code: J1005462-005

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**1090**		mg/L	2.0	0.8	200	NA	11/15/10 14:33	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**167**		mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	**7490**		mg/L	200	20	10	NA	11/18/10 16:05	
Chloride	300.0	**4470**		mg/L	50	9	100	NA	11/11/10 16:03	
Cyanide, Total	335.4	**33**		µg/L	10	3	1	11/16/10	11/16/10 15:43	
Nitrate as Nitrogen	300.0	**3.7**		mg/L	2.0	0.8	10	NA	11/11/10 17:03	
Solids, Total Dissolved	SM 2540 C	**14700**		mg/L	200	200	20	NA	11/12/10 15:24	
Sulfide, Total	SM 4500-S2- F	**24**	I	mg/L	40	8	20	NA	11/15/10 15:00	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Collected: 11/10/10 1245
Date Received: 11/11/10

Sample Name: L-2
Lab Code: J1005462-007

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**816**		mg/L	2.0	0.8	200	NA	11/15/10 14:35	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**507**	J	mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	**7010**		mg/L	200	20	10	NA	11/18/10 16:06	
Chloride	300.0	**2970**		mg/L	50	9	100	NA	11/11/10 16:18	
Cyanide, Total	335.4	**30**		µg/L	10	3	1	11/16/10	11/16/10 15:44	
Nitrate as Nitrogen	300.0	ND	U	mg/L	2.0	0.8	10	NA	11/11/10 17:18	
Solids, Total Dissolved	SM 2540 C	**10400**		mg/L	200	200	20	NA	11/12/10 15:24	
Sulfide, Total	SM 4500-S2- F	**22**	I	mg/L	40	8	20	NA	11/15/10 15:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005462-MB	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 14:14	
Biochemical Oxygen Demand (BOD)	SM 5210 B	ND	U	mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	ND	U	mg/L	20	2	1	NA	11/18/10 16:02	
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/11/10 12:34	
Cyanide, Total	335.4	ND	U	µg/L	10	3	1	11/16/10	11/16/10 15:36	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/11/10 12:34	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/12/10 15:24	
Sulfide, Total	SM 4500-S2- F	ND	U	mg/L	2.0	0.4	1	NA	11/15/10 15:00	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
L-5	J1005462-001	100	97	98	105
Trip Blank 1	J1005462-002	101	100	96	102
L-4	J1005462-003	98	100	99	100
Trip Blank 2	J1005462-004	101	100	99	101
L-1	J1005462-005	101	97	97	101
Trip Blank 3	J1005462-006	99	97	99	106
L-2	J1005462-007	97	99	94	103
Trip Blank 4	J1005462-008	99	97	99	103
Method Blank	JQ1005755-02	103	101	97	105
Lab Control Sample	JQ1005755-01	99	101	98	102

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/21/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226346

Lab Control Sample
JQ1005755-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.7	20.0	98	85 - 117
1,1,1-Trichloroethane (TCA)	19.4	20.0	97	79 - 124
1,1,2,2-Tetrachloroethane	19.5	20.0	98	83 - 120
1,1,2-Trichloroethane	19.2	20.0	96	86 - 114
1,1-Dichloroethane (1,1-DCA)	19.4	20.0	97	80 - 128
1,1-Dichloroethene (1,1-DCE)	19.4	20.0	97	78 - 130
1,1-Dichloropropene	19.5	20.0	97	85 - 124
1,2,3-Trichloropropane	19.0	20.0	95	83 - 123
1,2,4-Trichlorobenzene	19.7	20.0	98	72 - 123
1,2-Dibromo-3-chloropropane (DBCP)	17.8	20.0	89	62 - 123
1,2-Dibromoethane (EDB)	19.5	20.0	98	88 - 117
1,2-Dichlorobenzene	18.9	20.0	95	84 - 115
1,2-Dichloroethane	20.1	20.0	101	80 - 124
1,2-Dichloropropane	19.2	20.0	96	79 - 123
1,3-Dichlorobenzene	19.3	20.0	96	83 - 112
1,3-Dichloropropane	19.9	20.0	99	88 - 117
1,4-Dichlorobenzene	18.9	20.0	95	83 - 113
2,2-Dichloropropane	20.6	20.0	103	72 - 136
2-Butanone (MEK)	103	100	103	73 - 127
2-Hexanone	104	100	104	71 - 138
4-Methyl-2-pentanone (MIBK)	98.2	100	98	72 - 136
Acetone	94.6	100	95	67 - 133
Acetonitrile	89.5	100	89	67 - 132
Acrolein	104	100	104	61 - 137
Acrylonitrile	99.2	100	99	77 - 127
Allyl Chloride	19.6	20.0	98	68 - 128
Benzene	19.5	20.0	97	79 - 119
Bromochloromethane	18.8	20.0	94	79 - 129
Bromodichloromethane	19.4	20.0	97	81 - 123
Bromoform	20.4	20.0	102	68 - 129
Bromomethane	19.8	20.0	99	79 - 130
Carbon Disulfide	99.7	100	100	76 - 138

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/21/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226346

Analyte Name	Lab Control Sample JQ1005755-01 Result	Spike Amount	% Rec	% Rec Limits
Carbon Tetrachloride	20.3	20.0	101	81 - 125
Chlorobenzene	19.8	20.0	99	86 - 113
Chloroethane	21.1	20.0	106	74 - 126
Chloroform	19.2	20.0	96	83 - 124
Chloromethane	19.1	20.0	96	67 - 135
Chloroprene	20.0	20.0	100	81 - 132
cis-1,2-Dichloroethene	19.4	20.0	97	80 - 126
cis-1,3-Dichloropropene	20.4	20.0	102	86 - 123
Dibromochloromethane	20.2	20.0	101	82 - 121
Dibromomethane	19.3	20.0	97	83 - 123
Dichlorodifluoromethane	20.8	20.0	104	69 - 138
Ethyl Methacrylate	20.2	20.0	101	78 - 127
Ethylbenzene	20.1	20.0	101	90 - 118
Hexachlorobutadiene	20.4	20.0	102	73 - 140
Iodomethane	97.8	100	98	68 - 134
Isobutyl Alcohol	364	400	91	62 - 139
m,p-Xylenes	41.6	40.0	104	86 - 121
Methacrylonitrile	19.5	20.0	97	77 - 129
Methyl Methacrylate	20.1	20.0	101	79 - 128
Methylene Chloride	19.1	20.0	96	72 - 124
Naphthalene	17.7	20.0	89	59 - 135
o-Xylene	20.2	20.0	101	89 - 119
Propionitrile	91.2	100	91	77 - 131
Styrene	20.0	20.0	100	89 - 122
Tetrachloroethene (PCE)	19.8	20.0	99	80 - 121
Toluene	20.4	20.0	102	86 - 117
trans-1,2-Dichloroethene	19.8	20.0	99	77 - 124
trans-1,3-Dichloropropene	20.6	20.0	103	83 - 124
trans-1,4-Dichloro-2-butene	11.5	20.0	58	53 - 143
Trichloroethene (TCE)	18.8	20.0	94	76 - 124
Trichlorofluoromethane	20.0	20.0	100	74 - 134
Vinyl Acetate	99.0	100	99	61 - 148

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/21/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226346

	Lab Control Sample JQ1005755-01			
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Vinyl Chloride	20.2	20.0	101	78 - 132

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
L-5	J1005462-001	77 D	62 D	28 D	77 D	38 D	52 D
L-4	J1005462-003	70 D	57 D	30 D	98 D	42 D	47 D
L-1	J1005462-005	63 D	57 D	29 D	76 D	36 D	53 D
L-2	J1005462-007	50 D	65 D	27 D	102 D	45 D	50 D
Method Blank	JWG1003997-4	64	61	29	60	21	75
Lab Control Sample	JWG1003997-3	64	55	20	50	16	73

Surrogate Recovery Control Limits (%)

Sur1 = 2,4,6-Tribromophenol	30-143	Sur5 = Phenol-d6	10-51
Sur2 = 2-Fluorobiphenyl	30-102	Sur6 = Terphenyl-d14	23-165
Sur3 = 2-Fluorophenol	10-77		
Sur4 = Nitrobenzene-d5	32-106		

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Extracted: 11/11/2010
Date Analyzed: 11/23/2010

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG1003997

Analyte Name	Lab Control Sample JWG1003997-3 Lab Control Spike Result	Expected	%Rec		%Rec Limits
1,2,4-Trichlorobenzene	26.6	50.0	53		50-120
1,2-Dichlorobenzene	22.6	50.0	45		32-123
1,3-Dichlorobenzene	20.7	50.0	41		30-119
1,4-Dichlorobenzene	24.3	50.0	49		31-119
2,3,4,6-Tetrachlorophenol	31.3	50.0	63		50-150
2,4,5-Trichlorophenol	32.1	50.0	64		47-113
2,4,6-Trichlorophenol	29.8	50.0	60		41-115
2,4-Dichlorophenol	31.6	50.0	63		36-117
2,4-Dimethylphenol	18.2	50.0	36	*	38-110
2,4-Dinitrophenol	10.2	50.0	20	*	27-128
2,4-Dinitrotoluene	35.6	50.0	71		54-121
2,6-Dinitrotoluene	35.6	50.0	71		55-121
2-Chloronaphthalene	32.5	50.0	65		47-106
2-Chlorophenol	22.1	50.0	44		35-101
2-Methyl-4,6-dinitrophenol	20.4	50.0	41	*	46-117
2-Methylnaphthalene	31.1	50.0	62		46-110
2-Methylphenol	20.8	50.0	42		21-100
2-Nitroaniline	37.6	50.0	75		33-94
2-Nitrophenol	30.2	50.0	60		40-120
3-Nitroaniline	37.5	50.0	75		25-91
4-Bromophenyl Phenyl Ether	39.6	50.0	79		63-123
4-Chloro-3-methylphenol	33.4	50.0	67		36-117
4-Chloroaniline	33.9	50.0	68		39-110
4-Chlorophenyl Phenyl Ether	33.8	50.0	68		53-108
4-Methylphenol	21.4	50.0	43		15-95
4-Nitroaniline	37.0	50.0	74		44-102
4-Nitrophenol	1.72	50.0	3	*	10-86
Acenaphthene	32.6	50.0	65		42-106
Acenaphthylene	32.9	50.0	66		45-99
Anthracene	38.7	50.0	77		50-104
Benz(a)anthracene	38.6	50.0	77		42-114
Benzo(a)pyrene	39.7	50.0	79		46-110
Benzo(b)fluoranthene	40.6	50.0	81		56-110
Benzo(g,h,i)perylene	39.6	50.0	79		53-116
Benzo(k)fluoranthene	38.5	50.0	77		48-110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Extracted: 11/11/2010
Date Analyzed: 11/23/2010

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG1003997

Analyte Name	Lab Control Sample JWG1003997-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Benzyl alcohol	19.8	50.0	40	32-110
bis(2-Chloroethoxy)methane	31.2	50.0	62	47-100
Bis(2-chloroethyl) Ether	26.9	50.0	54	41-99
Bis(2-chloroisopropyl) Ether	27.4	50.0	55	31-94
Bis(2-ethylhexyl) Phthalate	41.3	50.0	83	41-127
Butyl Benzyl Phthalate	39.6	50.0	79	40-117
Chrysene	40.1	50.0	80	50-113
Di-n-butyl Phthalate	41.0	50.0	82	57-118
Di-n-octyl Phthalate	40.4	50.0	81	35-139
Dibenz(a,h)anthracene	39.5	50.0	79	51-125
Dibenzofuran	36.1	50.0	72	49-103
Diethyl Phthalate	37.7	50.0	75	56-108
Dimethyl Phthalate	36.4	50.0	73	32-119
Fluoranthene	41.5	50.0	83	48-110
Fluorene	36.3	50.0	73	54-97
Hexachlorobenzene	40.0	50.0	80	55-110
Hexachlorobutadiene	24.8	50.0	50	20-110
Hexachlorocyclopentadiene	26.9	50.0	54	23-115
Hexachloroethane	21.3	50.0	43	19-113
Indeno(1,2,3-cd)pyrene	41.1	50.0	82	54-115
Isophorone	32.2	50.0	64	46-106
N-Nitrosodi-n-propylamine	30.1	50.0	60	43-103
N-Nitrosodimethylamine	13.5	50.0	27	27-66
N-Nitrosodiphenylamine	35.8	50.0	72	30-122
Naphthalene	29.6	50.0	59	40-97
Nitrobenzene	28.6	50.0	57	36-116
Pentachlorophenol	31.0	50.0	62	35-120
Phenanthrene	38.8	50.0	78	49-110
Phenol	11.5	50.0	23	12-54
Pyrene	39.5	50.0	79	35-110

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462

Surrogate Recovery Summary
Organochlorine Pesticides by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8081A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
L-5	J1005462-001	39	12 #
L-4	J1005462-003	46	21
L-1	J1005462-005	38 D	18 D
L-2	J1005462-007	105 D #	25 D #
Method Blank	JWG1004036-2	53	58
Lab Control Sample	JWG1004036-1	56	58

Surrogate Recovery Control Limits (%)

Sur1	= Tetrachloro-m-xylene	32-92
Sur2	= Decachlorobiphenyl	13-104

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Extracted: 11/12/2010
Date Analyzed: 11/22/2010

Lab Control Spike Summary
Organochlorine Pesticides by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8081A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG1004036

Analyte Name	Lab Control Sample JWG1004036-1 Lab Control Spike Result	Expected	%Rec		%Rec Limits
alpha-BHC	0.234	0.400	59		56-104
gamma-BHC (Lindane)	0.222	0.400	56	*	57-101
beta-BHC	0.236	0.400	59		55-97
delta-BHC	0.261	0.400	65		31-105
Heptachlor	0.252	0.400	63		52-100
Aldrin	0.245	0.400	61		45-108
Heptachlor Epoxide	0.260	0.400	65		59-103
gamma-Chlordane	0.260	0.400	65		53-107
alpha-Chlordane	0.256	0.400	64		54-104
4,4'-DDE	0.240	0.400	60		58-114
Endosulfan I	0.260	0.400	65		61-104
Dieldrin	0.246	0.400	62		57-111
Endrin	0.263	0.400	66		57-117
4,4'-DDD	0.233	0.400	58		56-116
Endosulfan II	0.237	0.400	59		50-106
4,4'-DDT	0.264	0.400	66		41-115
Endrin Aldehyde	0.142	0.400	36	*	51-108
Methoxychlor	0.251	0.400	63		43-123
Endosulfan Sulfate	0.232	0.400	58		56-107
Endrin Ketone	0.251	0.400	63		46-101

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
L-5	J1005462-001	14 #
L-4	J1005462-003	21 #
L-1	J1005462-005	18 D #
L-2	J1005462-007	40 D #
Method Blank	JWG1004037-4	58
L-5MS	JWG1004037-1	19 #
L-5DMS	JWG1004037-2	15 #
Lab Control Sample	JWG1004037-3	56

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 24-120

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Extracted: 11/12/2010
Date Analyzed: 11/18/2010

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-5
Lab Code: J1005462-001

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8082

Level: Low
Extraction Lot: JWG1004037

Analyte Name	Sample Result	L-5MS JWG1004037-1 Matrix Spike			L-5DMS JWG1004037-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	6.11	9.09	67	ND	9.09	0 #	23-152	2	30
Aroclor 1260	ND	3.53	9.09	39	2.25	9.09	25 *	27-136	44 *	30

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Extracted:**	11/12/2010
Sample Matrix:	Water	**Date Analyzed:**	11/18/2010

Lab Control Spike Summary
Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8082	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG1004037

	Lab Control Sample JWG1004037-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	2.67	4.00	67	39-116
Aroclor 1260	2.34	4.00	58	41-118

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/16/10 - 11/22/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

		Lab Control Sample J1005462-LCS			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Antimony, Total Recoverable	6010B	4110	4000	103	80 - 120
Arsenic, Total Recoverable	6010B	2150	2000	107	80 - 120
Barium, Total Recoverable	6010B	4000	4000	100	80 - 120
Beryllium, Total Recoverable	6010B	1980	2000	99	80 - 120
Cadmium, Total Recoverable	6010B	2050	2000	102	80 - 120
Chromium, Total Recoverable	6010B	2020	2000	101	80 - 120
Cobalt, Total Recoverable	6010B	2010	2000	101	80 - 120
Copper, Total Recoverable	6010B	2020	2000	101	80 - 120
Iron, Total Recoverable	6010B	2120	2000	106	80 - 120
Lead, Total Recoverable	6010B	4040	4000	101	80 - 120
Mercury, Total	7470A	5.04	5.00	101	80 - 120
Nickel, Total Recoverable	6010B	2010	2000	101	80 - 120
Selenium, Total Recoverable	6010B	2030	2000	102	80 - 120
Silver, Total Recoverable	6010B	423	500	85	80 - 120
Thallium, Total Recoverable	6010B	5050	5000	101	80 - 120
Tin, Total Recoverable	6010B	5140	5000	103	80 - 120
Vanadium, Total Recoverable	6010B	2010	2000	101	80 - 120
Zinc, Total Recoverable	6010B	2020	2000	101	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/16/10 - 11/22/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005462-LCS Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	10.1	10.0	101	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005462
Project:	JED SWDF	**Date Collected:**	11/10/10
Sample Matrix:	Water	**Date Received:**	11/11/10
		Date Analyzed:	11/16/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	L-5	**Units:**	µg/L
Lab Code:	J1005462-001	**Basis:**	NA

Analytical Method: 335.4
Prep Method: Method

		L-5MS Matrix Spike J1005462-001MS2				L-5DMS Duplicate Matrix Spike J1005462-D001MS2						
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	40	124	100	84	*	128	100	88	*	90 - 110	3	20

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005462-LCS1 Result	Spike Amount	% Rec	Duplicate Lab Control Sample J1005462-DLCS1 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Sulfide, Total	SM 4500-S2- F	18.3	20.0	92	18.6	20.0	93	85 - 115	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/11/10 - 11/18/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

		Lab Control Sample J1005462-LCS2			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Ammonia as Nitrogen	350.1	1.00	1.00	100	90 - 110
Biochemical Oxygen Demand (BOD)	SM 5210 B	196	198	99	84.5 - 115.
Chemical Oxygen Demand, Total	SM21 5220 D	483	500	97	90 - 110
Chloride	300.0	49.8	50.0	100	90 - 110
Nitrate as Nitrogen	300.0	4.67	5.00	93	90 - 110
Solids, Total Dissolved	SM 2540 C	297	300	99	85 - 115

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005462
Date Analyzed: 11/11/10 - 11/18/10

Lab Control Sample Summary
General Chemistry Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005462-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	103	100	103	90 - 110

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

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™

Cooler Receipt Form

Client: EPS Service Request #: J1005962

Project: JED SWDF

Cooler received on 11-11-10 and opened on 11-11-10 by CKB

COURIER: CAS UPS FEDEX Client Other _____ Airbill #_____

1	Were custody seals on outside of cooler?	(Yes)	No				
	If yes, how many and where?	#: 4	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)	1.1°	2.3°	5.1°	2.5°		
5	Thermometer ID	TB	TB	TB	TB		
6	Temperature Blank Present?	(Yes)	No				
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No			
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A			
9	Type of packing material present	Netting	Vial Holder	~~Bubble Wrap~~			
		Paper	Styrofoam	Other	N/A		
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A			
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A			
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A			
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	(No)	N/A			
	~~HNO3 pH<2~~ (H2SO4 pH<2) (ZnAc2/NaOH pH>9) (~~NaOH pH~~>12) HCl pH<2						
	Preservative additions noted below						
14	Were all samples received within analysis holding times?	(Yes)	No	N/A			
15	Were VOA vials checked for absence of air bubbles? If present, note below	(Yes)	No	N/A			
16	Where did the bottles originate?	(CAS)	Client				

Sample ID	Reagent	Lot #	ml added	Initials Date/Time
L-4	H_2SO_4	GEN-585-11E	1-1	CKB 11-11-10 1108
L-2	↓	↓	↓	↓
L-1	↓	↓	↓	
L-5 / L-2	HNO_3	MET-11-75G	2ml	
L-1 / L-4	↓	↓	4 ml	
~~L-4~~ 11-11-10 CKB	~~H_2SO_4~~			
L-4	$ZnAc_2$/NaOH	Smo-91 / Smo 1-8c	3 each 6 pellet	
L-1/L-2/L-4	NaOH	Smo 1-8c	6 Pellet	
L-5	↓	↓	4 pellet	↓

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

8260 vials are un-preserved.

L-1, L-4 NaOH did not preserve.

L-4 $ZnAc_2$ did not preserve

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J 100546L Date: 11-11-10 Initials: CKB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Ziplock	Misc.	
Container	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	G	P	P	G	G	G	G	G	G	G	P	P	Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-					-	-		
-1	6	1				1				1	1	1			1							6										-1
-2	↓	1				1				1	1	1			1							↓										-2
-3		2				1				1	1	1			1																	-3
-4	↓	2				1				1	1	1			1																	-4
-5																																-5
-6																																-6
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-36																																-36
-37																																-37
-38																																-38
-39																																-39
-40																																-40

NOTE: VOA pH checks are performed by the analytical area, not sample control

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR # J005462

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@epsknoxville.com
Company/Address: EPS 1936 Bruce B Downs Blvd #328 Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and [redacted])

PRESERVATIVE: 0 0 3 2 4/5 4 0 0 0 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3, COD, Metals	Sulfate	Cyanide	NO_3, TDS, 130D	8270	8081	8082	8151
L-5		11-10-10	0900	Leachate	17	X	X	X	X	X	X	X	X	X	X	X	X
Trip Blank		10-25-10	1145	DI_{H_2O}	1	X											

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

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10314-JED-L5

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-10-10/1500	Date/Time: 11-11-10 0929	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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SR # J1005462
CAS Contact

Project Name: JED SWDP	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@erpplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and [redacted])

PRESERVATIVE: 0 0 3 2 4/5 4 0 0 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3, COD, Metals	Sulfide	Cyanide	O, NO3, TDS, BOD	8270	8081	8082	8151	REMARKS/ ALTERNATE DESCRIPTION
L-4		11-10-10	1030	Leachate	17	X	X	X	X	X	X	X	X	X	X	X	
Trip Blank		10-25-10	1020	DI H_2O	1	X											

1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10314-JED-L4

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Charles Barriger	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barriger	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-10-10/1500	Date/Time: 11-11-10 0922	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

Columbia Analytical Services

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SR # J1005962
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@envplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number [redacted]

PRESERVATIVE	0	0	3	2	4/5	4	0	0	0					
NUMBER OF CONTAINERS	8260	8011	NH_3, COD Metals	Sulfide	Cyanide	SO_4, NO_3, TDS, BOD	8270	8081	8082	8151				

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

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX																REMARKS/ ALTERNATE DESCRIPTION
L-1		11-10-10	1130	Leachate	17	X	X	X	X	X	X	X	X	X	X	X				
Trip Blank		10-25-10	1100	DI H_2O	2	X														

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10314-JED-L1

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
68					
Signature: Joe Terry	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barriger	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-10-10/1500	Date/Time: 11-4-10 0922	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR # J1005462

CAS Contact [redacted]

Project Name: JPD SWDF	Project Number:
Project Manager: Kirk Wills	Email Address: kwills@enplumity.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #329	
Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3, COD	Metals	Sulfide	Cyanide	NO_3, TDS, BOD	8270	8081	8082	8151	
PRESERVATIVE						0	0	3	2	4/5	4	0	0	0			
L-2		11-10-10	1245	Soil/Water	17	X	X	X	X	X	X	X	X	X	X	X	
Trip Blank		10-25-10	1015	DI H_2O	2	X											

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

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10314-JED-~~12~~ L2
JT 11-10-10

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature:	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-10-10/1500	Date/Time: 11-11-10 0122	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Friday, November 19, 2010

Columbia Analytical Svcs. (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for
Project Number: J1005462, Project Name/Desc: J1005462
ENCO Workorder: B005394

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, November 12, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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

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

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

Sincerely,

Lindsay J Crawford For Chris Tompkins

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 15.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: L-5	Lab ID: B005394-01		Sampled: 11/10/10 09:00		Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8011	11/24/10	11/30/10	11/16/10	12:44	11/18/2010 12:19
EPA 8151A	11/17/10	12/25/10	11/15/10	09:00	11/16/2010 20:22

Client ID: L-4	Lab ID: B005394-02		Sampled: 11/10/10 10:30		Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8011	11/24/10	11/30/10	11/16/10	12:44	11/18/2010 13:00
EPA 8151A	11/17/10	12/25/10	11/15/10	09:00	11/16/2010 20:46

Client ID: L-1	Lab ID: B005394-03		Sampled: 11/10/10 11:30		Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8011	11/24/10	11/30/10	11/16/10	12:44	11/18/2010 13:12
EPA 8151A	11/17/10	12/25/10	11/15/10	09:00	11/16/2010 21:10

Client ID: L-2	Lab ID: B005394-04		Sampled: 11/10/10 12:45		Received: 11/12/10 09:16
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8011	11/24/10	11/30/10	11/16/10	12:44	11/18/2010 13:26
EPA 8151A	11/17/10	12/25/10	11/15/10	09:00	11/16/2010 21:35

SAMPLE DETECTION SUMMARY

No positive results detected.

www.encolabs.com

ANALYTICAL RESULTS

Description: L-5
Matrix: Water
Project: J1005462

Lab Sample ID: B005394-01
Sampled: 11/10/10 09:00
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005394

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 12:19	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 12:19	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.12*	*1*	*0.250*	*50 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 12:19*	*JSW*	

www.encolabs.com

Description: L-5
Matrix: Water
Project: J1005462

Lab Sample ID: B005394-01
Sampled: 11/10/10 09:00
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005394

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 20:22	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 20:22	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 20:22	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 20:22	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 20:22	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.5*	*1*	*2.00*	*127 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 20:22*	*RGG*	

www.encolabs.com

Description: L-4 | **Lab Sample ID:** B005394-02 | **Received:** 11/12/10 09:16
Matrix: Water | **Sampled:** 11/10/10 10:30 | **Work Order:** B005394
Project: J1005462 | **Sampled By:** Client

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:00	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:00	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.18*	*1*	*0.250*	*71 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 13:00*	*JSW*	

www.encolabs.com

Description: L-4 | **Lab Sample ID:** B005394-02 | **Received:** 11/12/10 09:16
Matrix: Water | **Sampled:** 11/10/10 10:30 | **Work Order:** B005394
Project: J1005462 | **Sampled By:** Client

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 20:46	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 20:46	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 20:46	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 20:46	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 20:46	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.1*	*1*	*2.00*	*57 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 20:46*	*RGG*	*QS-05*

www.encolabs.com

Description: L-1
Matrix: Water
Project: J1005462

Lab Sample ID: B005394-03
Sampled: 11/10/10 11:30
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005394

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:12	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:12	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.12*	*1*	*0.250*	*50 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 13:12*	*JSW*	

www.encolabs.com

Description: L-1 | **Lab Sample ID:** B005394-03 | **Received:** 11/12/10 09:16
Matrix: Water | **Sampled:** 11/10/10 11:30 | **Work Order:** B005394
Project: J1005462 | **Sampled By:** Client

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 21:10	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 21:10	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 21:10	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 21:10	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 21:10	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.5*	*1*	*2.00*	*126 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 21:10*	*RGG*	

www.encolabs.com

Description: L-2 | **Lab Sample ID:** B005394-04 | **Received:** 11/12/10 09:16
Matrix: Water | **Sampled:** 11/10/10 12:45 | **Work Order:** B005394
Project: J1005462 | **Sampled By:** Client

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:26	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/18/10 13:26	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.20*	*1*	*0.250*	*80 %*	*33-122*	*0K16005*	*EPA 8011*	*11/18/10 13:26*	*JSW*	

www.encolabs.com

Description: L-2
Matrix: Water
Project: J1005462

Lab Sample ID: B005394-04
Sampled: 11/10/10 12:45
Sampled By: Client

Received: 11/12/10 09:16
Work Order: B005394

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 21:35	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 21:35	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 21:35	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 21:35	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 21:35	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*3.9*	*1*	*2.00*	*196 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 21:35*	*RGG*	*QS-06*

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 0K16005 - EPA 8011

Blank (0K16005-BLK1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.012	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane	*0.30*			*ug/L*	*0.250*		*121*	*33-122*			

LCS (0K16005-BS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250		100	60-140			
1,2-Dibromoethane	0.24		0.020	ug/L	0.250		94	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.29*			*ug/L*	*0.250*		*115*	*33-122*			

Matrix Spike (0K16005-MS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:29

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250	0.012 U	82	60-140			
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.12*			*ug/L*	*0.250*		*50*	*33-122*			

Matrix Spike Dup (0K16005-MSD1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:41

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	87	60-140	6	20	
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140	0.6	20	
Surrogate: 1,1,1,2-Tetrachloroethane	*0.15*			*ug/L*	*0.250*		*62*	*33-122*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0K15001 - EPA 3510C

Blank (0K15001-BLK1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 15:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*93*	*68-139*			

LCS (0K15001-BS1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 15:54

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		102	68-154			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0K15001 - EPA 3510C

LCS (0K15001-BS1) Continued Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 15:54

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	2.4		0.50	ug/L	2.00		120	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*97*	*68-139*			

Matrix Spike (0K15001-MS1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 16:18

Source: A006216-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.56		0.50	ug/L	2.00	0.056 U	28	68-154			QM-07
2,4-D	1.5		0.50	ug/L	2.00	0.091 U	75	62-144			
Surrogate: 2,4-DCAA	*1.1*			*ug/L*	*2.00*		*57*	*68-139*			*QS-03*

Matrix Spike Dup (0K15001-MSD1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 16:43

Source: A006216-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.4		0.50	ug/L	2.00	0.056 U	68	68-154	84	15	QM-11
2,4-D	2.2		0.50	ug/L	2.00	0.091 U	111	62-144	39	33	QM-11
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*78*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value. The associated sample note or project narrative indicate the causative reason.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-03	Surrogate recovery outside acceptance limits
QS-05	Surrogate recovery biased low and outside control limits due to suspected matrix effects, as evidenced by sample behavior during sample preparation (emulsion formation, excessive foaming).
QS-06	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound. This is a confirmed matrix effect.

Columbia Analytical Services, Inc. Chain of Custody

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

CAS Contact: Craig Myers

B005394
KK 11-12-10

Project Number: J1005462
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	HERB 8151A	~~MISC_OUT_1 None~~ 8011
J1005462-001	L-5	5	Water	11/10/10	0900	ENCO	X	X
J1005462-003	L-4	↓	Water	11/10/10	1030	ENCO	↓	↓
J1005462-005	L-1	↓	Water	11/10/10	1130	ENCO	↓	↓
J1005462-007	L-2	↓	Water	11/10/10	1245	ENCO	↓	↓

Test Comments

HERB - 8151A	J1005462-001,3,5,7	Report Appendix II List
MISC_OUT_1 - None	J1005462-001,3,5,7	Report EDB and DBCP by EPA Method 8011

Client Cooler @ 5.7°c

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ✓ STANDARD Requested FAX Date: ___ Requested Report Date: 11/24/10	___ I. Results Only ✓ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data POL/MDL/I Y EDD Y	PO# J1005462 Bill to

Relinquished By: [signature] 11/11/10 Received By: Kristie Kelly 0916 11-12-10 Airbill Number: ___

Columbia Analytical Services
9143 Philips Highway, Suite 200 | Jacksonville, FL 32256 | 904-739-2277 | 904-739-2011 fax | www.caslab.com

December 02, 2010 Service Request No: J1005486

Kirk Wills
Environmental Planning Specialists
1936 Bruce B Downs Blvd
#328
Wesley Chapel, FL 33543

Laboratory Results for: JED SWDF

Dear Kirk:

Enclosed are the results of the sample(s) submitted to our laboratory on November 12, 2010. For your reference, these analyses have been assigned our service request number **J1005486**.

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.

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

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig Myers
Project Manager

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502. Other state accreditations include: Georgia, #958; Kentucky, #63; Louisiana, #02086; North Carolina, #527; South Carolina, #96021001; Texas, #T104704197-09-TX.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Planning Specialists	**Service Request No.:**	J1005486
Project:	JED SWDF	**Date Received:**	11/12/10
Sample Matrix:	Water		

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

Four water samples and two trip blanks were received for analysis at Columbia Analytical Services on 11/12/10. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Second Source Exceptions

The control criterion was exceeded for the following analyte in Second Source Verification (SSV) ICAL 2358: trans-1,4-Dichloro-2-butene. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Continuing Calibration Verification Exceptions

The primary evaluation criterion was exceeded for the following analytes in Continuing Calibration Verification (CCV) JWG1004180-2: Acrolein and Isobutyl Alcohol. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Lab Control Sample Exceptions

The spike recoveries of several analytes for Laboratory Control Sample (LCS) JQ1005766-01 were outside the lower control criterion. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ **Date** 12/2/10

Elevated Method Reporting Limits

The reporting limits are elevated for all analytes in samples L-3 and L-6. The samples were diluted prior to instrumental analysis due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Organochlorine Pesticides by GC-ECD

The samples were analyzed for Organochlorine Pesticides using EPA Method 8081. The following observations were made regarding this delivery group.

Surrogate Exceptions

The control criterion is not applicable for the following surrogates in sample L-6: Decachlorobiphenyl and Tetrachloro-m-xylene. The analysis of the samples required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

The control criterion was exceeded for the following surrogates in sample L-3 due to suspected matrix interference: Decachlorobiphenyl and Tetrachloro-m-xylene. The error associated with reduced recovery equates to a potential low bias. No further corrective action was taken.

Lab Control Sample Exceptions

The spike recoveries of gamma-BHC (Lindane) and Endrin Aldehyde for Laboratory Control Sample (LCS) JWG1004036-1 were outside the lower control criterion (56% versus a criterion of 57%) for gamma-BHC (Lindane) and (36% versus a criterion of 51%) for Endrin Aldehyde. The analytes in question were not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias for these analytes. The data are flagged to indicate the problem.

Elevated Method Reporting Limits

The Method Reporting Limit (MRL) is elevated for all target analytes in sample L-6. The sample required dilution due to the presence of elevated levels of sulfur that masked portions of the chromatogram in which target analytes elute. The samples were Florisil cleaned after extraction and were also copper cleaned multiple times before they were diluted. These cleanups alone were insufficient to remove enough sulfur to resolve the masking. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

PCB Aroclors by GC-ECD

The samples were analyzed for PCB Aroclors using EPA Method 8082. The following observations were made regarding this delivery group.

Surrogate Exceptions

The control criterion is not applicable for the following surrogate in sample L-6: Decachlorobiphenyl. The analysis of the samples required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

The control criterion was exceeded for the following surrogate in sample L-3 due to suspected matrix interference: Decachlorobiphenyl. The error associated with reduced recovery equates to a potential low bias. No further corrective action was taken.

Approved by _____ **Date** 12/2/10

Elevated Method Reporting Limits

The Method Reporting Limit (MRL) is elevated for all target analytes in sample L-6. The sample required dilution due to the presence of elevated levels of sulfur that masked portions of the chromatogram in which target analytes elute. The samples were Florisil cleaned after extraction and were also copper cleaned multiple times before they were diluted. These cleanups alone were insufficient to remove enough sulfur to resolve the masking. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

Semivolatile Organics by GC-MS

The samples were analyzed for Semivolatile Organics using EPA Method 8270. The following observations were made regarding this delivery group.

Second Source Exceptions

The lower control criterion was exceeded for the following analytes in the Second Source Verification (SSV): Kepone, Phorate, Famphur, and Methyl Methanesulfonate. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the Method Reporting Limit (MRL) check, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

The upper control criterion was exceeded for the following analytes in the Second Source Verification (SSV): 2-Naphthylamine and Pentachlorophenol. The field samples analyzed in this sequence did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Continuing Calibration Verification Exceptions

The lower control criterion was exceeded for the following analyte in Continuing Calibration Verification (CCV) JWG1004250-2: Famphur. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the Method Reporting Limit (MRL) check, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

The upper control criterion was exceeded for many analytes, including some Calibration Check Compounds (CCCs), in Continuing Calibration Verification (CCV) JWG1004250-2. Because of the CCC failures, all analytes in the CCV were evaluated at 80%-120% per method requirement. The field samples analyzed in this sequence did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Surrogate Exceptions

The control criterion for the following surrogates in samples L-6, and the Matrix Spike and Duplicate Matrix Spike performed on sample L-3 is not applicable: 2-Fluorophenol and Phenol-d6. The analysis of the samples required dilutions, which resulted in surrogate concentrations at the Method Reporting Limit (MRL). No further corrective action was appropriate.

The upper control criterion was exceeded for the following surrogate in Method Blank JWG1004049-4: Phenol-d6. No target analytes were detected in the Method Blank. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. No further corrective action was appropriate.

Matrix Spike Recovery Exceptions

The Matrix Spike recoveries of 2,4-Dinitrophenol, Bis(2-chloroethoxy)methane, Bis(2-chloroisopropyl) Ether, and Pentachlorophenol for sample L-3 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate.

Approved by _____ **Date** 12/2/10

The Duplicate Matrix Spike recoveries of 2,4-Dinitrophenol, Bis(2-chloroethoxy)methane, N-Nitrosodi-n-propylamine, and Pentachlorophenol for sample L-3 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate.

Relative Percent Difference Exceptions

The Relative Percent Differences (RPD) for the following analytes in the replicate matrix spike analyses of sample L-3 were outside control criteria: 4-Chloroaniline and Hexachloroethane. The spike recoveries in the MS and DMS for these analytes were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

Lab Control Sample Exceptions

The spike recovery of 4-Chloroaniline for Laboratory Control Sample (LCS) JWG1004049-3 was outside the lower control criterion (14% versus a criterion of 39%). The analyte in question was not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias. The Matrix Spike and Duplicate Matrix Spike associated with this extraction batch had passing recoveries for 4-Chloroaniline, indicating that the low bias is isolated to the Laboratory Control Sample. The data is flagged to indicate the problem.

Elevated Method Reporting Limits

The Method Reporting Limit (MRL) is elevated for all target analytes in samples L-3 and L-6. The samples required dilution due to the color and viscosity of the extracts. The chromatograms also indicated the presence of elevated levels of non-target analytes. The elevated reporting limits are reflected in the final report. No further corrective action was taken.

Metals by ICP-OES/CVAA

The samples were analyzed for Total Metals using EPA Methods 6010B/7470A. No problems were observed.

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA and Standard Methods. No problems were observed.

Subcontracted Analytical Parameters

The samples were delivered to ENCO Labs in Jacksonville, FL on 11/12/10 for EPA Method 8011 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by _____ **Date** 12/2/10

Florida DEP Data Qualifiers

B Results based upon colony counts outside the acceptable range.

D Measurement was made in the field.

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 practical quantitation limit.

J Estimated value (one of the following reasons is discussed in the project case narrative).
1. The result may be inaccurate because the surrogate recovery limits have been exceeded.
2. No known quality control criteria exists for the component.
3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD).
5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).

K Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).

L Off scale high. The analyte is above the upper limit of the linear calibration range.

M The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.

N Presumptive evidence of the analyte. Confirmation was not performed.

Q Sample held beyond the accepted holding time.

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.

U Indicates that the compound was analyzed for but not detected.

V Indicates that the analyte was detected in both the sample and the associated method blank.

Y The laboratory analysis was from an improperly preserved sample.

Z Too many colonies were present (TNTC). 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: Environmental Planning Specialists
Project: JED SWDF

Service Request: J1005486

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1005486-001	L-3	11/11/10	06:45
J1005486-002	Trip Blank 1	11/11/10	00:00
J1005486-003	L-6	11/11/10	08:00
J1005486-004	Trip Blank 2	11/11/10	00:00
J1005486-005	10315-JED-UL	11/11/10	09:45
J1005486-006	10315-JED-TL	11/11/10	10:45

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-3
Lab Code: J1005486-001

Service Request: J1005486
Date Collected: 11/11/10 0645
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 14:06		226413	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 14:06		226413	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 14:06		226413	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 14:06		226413	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 14:06		226413	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 14:06		226413	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 14:06		226413	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 14:06		226413	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 14:06		226413	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 14:06		226413	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 14:06		226413	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 14:06		226413	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 14:06		226413	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 14:06		226413	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 14:06		226413	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 14:06		226413	
1,4-Dichlorobenzene	**13.6**		10.0	1.00	10	NA	11/22/10 14:06		226413	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 14:06		226413	
2-Butanone (MEK)	ND	U	100	38.0	10	NA	11/22/10 14:06		226413	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 14:06		226413	
4-Methyl-2-pentanone (MIBK)	ND	U	250	6.50	10	NA	11/22/10 14:06		226413	
Acetone	**82.3**	I	500	56.0	10	NA	11/22/10 14:06		226413	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 14:06		226413	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 14:06		226413	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 14:06		226413	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 14:06		226413	
Benzene	**10.4**		10.0	2.10	10	NA	11/22/10 14:06		226413	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 14:06		226413	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 14:06		226413	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 14:06		226413	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 14:06		226413	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 14:06		226413	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 14:06		226413	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 14:06		226413	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 14:06		226413	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 14:06		226413	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-3
Lab Code: J1005486-001

Service Request: J1005486
Date Collected: 11/11/10 0645
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 14:06		226413	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 14:06		226413	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 14:06		226413	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 14:06		226413	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 14:06		226413	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 14:06		226413	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 14:06		226413	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 14:06		226413	
Ethylbenzene	**51.2**		10.0	2.10	10	NA	11/22/10 14:06		226413	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 14:06		226413	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 14:06		226413	
Isobutyl Alcohol	ND	U	1000	430	10	NA	11/22/10 14:06		226413	
m,p-Xylenes	**56.5**		20.0	4.10	10	NA	11/22/10 14:06		226413	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 14:06		226413	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 14:06		226413	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 14:06		226413	
Naphthalene	ND	U	100	2.40	10	NA	11/22/10 14:06		226413	
o-Xylene	**26.0**		10.0	1.41	10	NA	11/22/10 14:06		226413	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 14:06		226413	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 14:06		226413	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 14:06		226413	
Toluene	**21.0**		10.0	1.90	10	NA	11/22/10 14:06		226413	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 14:06		226413	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 14:06		226413	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 14:06		226413	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 14:06		226413	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 14:06		226413	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 14:06		226413	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 14:06		226413	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	71-122	11/22/10 14:06	
4-Bromofluorobenzene	106	75-120	11/22/10 14:06	
Dibromofluoromethane	97	82-116	11/22/10 14:06	
Toluene-d8	108	88-117	11/22/10 14:06	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 1
Lab Code: J1005486-002

Service Request: J1005486
Date Collected: 11/11/10 0000
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 13:04		226413	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 13:04		226413	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 13:04		226413	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 13:04		226413	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 13:04		226413	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 13:04		226413	
1,1-Dichloropropene	ND	U	5.00	0.120	1	NA	11/22/10 13:04		226413	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 13:04		226413	
1,2,4-Trichlorobenzene	ND	U	10.0	0.210	1	NA	11/22/10 13:04		226413	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 13:04		226413	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 13:04		226413	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 13:04		226413	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 13:04		226413	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 13:04		226413	
1,3-Dichlorobenzene	ND	U	1.00	0.130	1	NA	11/22/10 13:04		226413	
1,3-Dichloropropane	ND	U	1.00	0.150	1	NA	11/22/10 13:04		226413	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 13:04		226413	
2,2-Dichloropropane	ND	U	1.00	0.180	1	NA	11/22/10 13:04		226413	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 13:04		226413	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 13:04		226413	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 13:04		226413	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 13:04		226413	
Acetonitrile	ND	U	25.0	18.0	1	NA	11/22/10 13:04		226413	
Acrolein	ND	U	50.0	4.20	1	NA	11/22/10 13:04		226413	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 13:04		226413	
Allyl Chloride	ND	U	5.00	0.390	1	NA	11/22/10 13:04		226413	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 13:04		226413	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 13:04		226413	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 13:04		226413	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 13:04		226413	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 13:04		226413	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 13:04		226413	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 13:04		226413	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 13:04		226413	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 13:04		226413	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 13:04		226413	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 1
Lab Code: J1005486-002

Service Request: J1005486
Date Collected: 11/11/10 0000
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 13:04		226413	
Chloroprene	ND	U	1.00	0.00	1	NA	11/22/10 13:04		226413	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 13:04		226413	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 13:04		226413	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 13:04		226413	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 13:04		226413	
Dichlorodifluoromethane	ND	U	20.0	0.230	1	NA	11/22/10 13:04		226413	
Ethyl Methacrylate	ND	U	1.00	0.190	1	NA	11/22/10 13:04		226413	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 13:04		226413	
Hexachlorobutadiene	ND	U	10.0	0.600	1	NA	11/22/10 13:04		226413	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 13:04		226413	
Isobutyl Alcohol	ND	U	100	43.0	1	NA	11/22/10 13:04		226413	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 13:04		226413	
Methacrylonitrile	ND	U	5.00	1.60	1	NA	11/22/10 13:04		226413	
Methyl Methacrylate	ND	U	2.00	0.270	1	NA	11/22/10 13:04		226413	
Methylene Chloride	**0.420**	I	5.00	0.210	1	NA	11/22/10 13:04		226413	
Naphthalene	ND	U	10.0	0.240	1	NA	11/22/10 13:04		226413	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 13:04		226413	
Propionitrile	ND	U	25.0	3.90	1	NA	11/22/10 13:04		226413	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 13:04		226413	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 13:04		226413	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 13:04		226413	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 13:04		226413	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 13:04		226413	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 13:04		226413	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 13:04		226413	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 13:04		226413	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 13:04		226413	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 13:04		226413	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	71-122	11/22/10 13:04	
4-Bromofluorobenzene	101	75-120	11/22/10 13:04	
Dibromofluoromethane	94	82-116	11/22/10 13:04	
Toluene-d8	104	88-117	11/22/10 13:04	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-6
Lab Code: J1005486-003

Service Request: J1005486
Date Collected: 11/11/10 0800
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	10.0	1.80	10	NA	11/22/10 14:38		226413	
1,1,1-Trichloroethane (TCA)	ND	U	10.0	1.71	10	NA	11/22/10 14:38		226413	
1,1,2,2-Tetrachloroethane	ND	U	10.0	1.10	10	NA	11/22/10 14:38		226413	
1,1,2-Trichloroethane	ND	U	10.0	1.71	10	NA	11/22/10 14:38		226413	
1,1-Dichloroethane (1,1-DCA)	ND	U	10.0	1.30	10	NA	11/22/10 14:38		226413	
1,1-Dichloroethene (1,1-DCE)	ND	U	10.0	1.60	10	NA	11/22/10 14:38		226413	
1,1-Dichloropropene	ND	U	50.0	1.20	10	NA	11/22/10 14:38		226413	
1,2,3-Trichloropropane	ND	U	20.0	4.20	10	NA	11/22/10 14:38		226413	
1,2,4-Trichlorobenzene	ND	U	100	2.10	10	NA	11/22/10 14:38		226413	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	50.0	23.0	10	NA	11/22/10 14:38		226413	
1,2-Dibromoethane (EDB)	ND	U	10.0	1.71	10	NA	11/22/10 14:38		226413	
1,2-Dichlorobenzene	ND	U	10.0	4.78	10	NA	11/22/10 14:38		226413	
1,2-Dichloroethane	ND	U	10.0	1.80	10	NA	11/22/10 14:38		226413	
1,2-Dichloropropane	ND	U	10.0	1.20	10	NA	11/22/10 14:38		226413	
1,3-Dichlorobenzene	ND	U	10.0	1.30	10	NA	11/22/10 14:38		226413	
1,3-Dichloropropane	ND	U	10.0	1.50	10	NA	11/22/10 14:38		226413	
1,4-Dichlorobenzene	**5.60**	I	10.0	1.00	10	NA	11/22/10 14:38		226413	
2,2-Dichloropropane	ND	U	10.0	1.80	10	NA	11/22/10 14:38		226413	
2-Butanone (MEK)	ND	U	100	38.0	10	NA	11/22/10 14:38		226413	
2-Hexanone	ND	U	250	22.0	10	NA	11/22/10 14:38		226413	
4-Methyl-2-pentanone (MIBK)	ND	U	250	6.50	10	NA	11/22/10 14:38		226413	
Acetone	ND	U	500	56.0	10	NA	11/22/10 14:38		226413	
Acetonitrile	ND	U	250	180	10	NA	11/22/10 14:38		226413	
Acrolein	ND	U	500	42.0	10	NA	11/22/10 14:38		226413	
Acrylonitrile	ND	U	100	12.0	10	NA	11/22/10 14:38		226413	
Allyl Chloride	ND	U	50.0	3.91	10	NA	11/22/10 14:38		226413	
Benzene	**6.10**	I	10.0	2.10	10	NA	11/22/10 14:38		226413	
Bromochloromethane	ND	U	50.0	2.70	10	NA	11/22/10 14:38		226413	
Bromodichloromethane	ND	U	10.0	1.71	10	NA	11/22/10 14:38		226413	
Bromoform	ND	U	20.0	4.20	10	NA	11/22/10 14:38		226413	
Bromomethane	ND	U	10.0	2.20	10	NA	11/22/10 14:38		226413	
Carbon Disulfide	ND	U	100	23.6	10	NA	11/22/10 14:38		226413	
Carbon Tetrachloride	ND	U	10.0	3.41	10	NA	11/22/10 14:38		226413	
Chlorobenzene	ND	U	10.0	1.60	10	NA	11/22/10 14:38		226413	
Chloroethane	ND	U	50.0	2.20	10	NA	11/22/10 14:38		226413	
Chloroform	ND	U	10.0	3.50	10	NA	11/22/10 14:38		226413	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: L-6
Lab Code: J1005486-003

Service Request: J1005486
Date Collected: 11/11/10 0800
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	10.0	1.10	10	NA	11/22/10 14:38		226413	
Chloroprene	ND	U	10.0	0.00	10	NA	11/22/10 14:38		226413	
cis-1,2-Dichloroethene	ND	U	10.0	3.60	10	NA	11/22/10 14:38		226413	
cis-1,3-Dichloropropene	ND	U	10.0	2.00	10	NA	11/22/10 14:38		226413	
Dibromochloromethane	ND	U	10.0	1.90	10	NA	11/22/10 14:38		226413	
Dibromomethane	ND	U	50.0	1.80	10	NA	11/22/10 14:38		226413	
Dichlorodifluoromethane	ND	U	200	2.31	10	NA	11/22/10 14:38		226413	
Ethyl Methacrylate	ND	U	10.0	1.90	10	NA	11/22/10 14:38		226413	
Ethylbenzene	**29.9**		10.0	2.10	10	NA	11/22/10 14:38		226413	
Hexachlorobutadiene	ND	U	100	6.00	10	NA	11/22/10 14:38		226413	
Iodomethane	ND	U	50.0	26.8	10	NA	11/22/10 14:38		226413	
Isobutyl Alcohol	ND	U	1000	430	10	NA	11/22/10 14:38		226413	
m,p-Xylenes	**47.7**		20.0	4.10	10	NA	11/22/10 14:38		226413	
Methacrylonitrile	ND	U	50.0	16.0	10	NA	11/22/10 14:38		226413	
Methyl Methacrylate	ND	U	20.0	2.70	10	NA	11/22/10 14:38		226413	
Methylene Chloride	ND	U	50.0	2.10	10	NA	11/22/10 14:38		226413	
Naphthalene	ND	U	100	2.40	10	NA	11/22/10 14:38		226413	
o-Xylene	**22.2**		10.0	1.41	10	NA	11/22/10 14:38		226413	
Propionitrile	ND	U	250	39.0	10	NA	11/22/10 14:38		226413	
Styrene	ND	U	10.0	2.91	10	NA	11/22/10 14:38		226413	
Tetrachloroethene (PCE)	ND	U	10.0	1.10	10	NA	11/22/10 14:38		226413	
Toluene	**51.5**		10.0	1.90	10	NA	11/22/10 14:38		226413	
trans-1,2-Dichloroethene	ND	U	10.0	1.20	10	NA	11/22/10 14:38		226413	
trans-1,3-Dichloropropene	ND	U	10.0	2.31	10	NA	11/22/10 14:38		226413	
trans-1,4-Dichloro-2-butene	ND	U	200	22.0	10	NA	11/22/10 14:38		226413	
Trichloroethene (TCE)	ND	U	10.0	1.60	10	NA	11/22/10 14:38		226413	
Trichlorofluoromethane	ND	U	200	2.20	10	NA	11/22/10 14:38		226413	
Vinyl Acetate	ND	U	100	19.0	10	NA	11/22/10 14:38		226413	
Vinyl Chloride	ND	U	10.0	2.20	10	NA	11/22/10 14:38		226413	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	71-122	11/22/10 14:38	
4-Bromofluorobenzene	99	75-120	11/22/10 14:38	
Dibromofluoromethane	97	82-116	11/22/10 14:38	
Toluene-d8	105	88-117	11/22/10 14:38	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 2
Lab Code: J1005486-004

Service Request: J1005486
Date Collected: 11/11/10 0000
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 13:35		226413	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 13:35		226413	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 13:35		226413	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 13:35		226413	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 13:35		226413	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 13:35		226413	
1,1-Dichloropropene	ND	U	5.00	0.120	1	NA	11/22/10 13:35		226413	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 13:35		226413	
1,2,4-Trichlorobenzene	ND	U	10.0	0.210	1	NA	11/22/10 13:35		226413	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 13:35		226413	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 13:35		226413	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 13:35		226413	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 13:35		226413	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 13:35		226413	
1,3-Dichlorobenzene	ND	U	1.00	0.130	1	NA	11/22/10 13:35		226413	
1,3-Dichloropropane	ND	U	1.00	0.150	1	NA	11/22/10 13:35		226413	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 13:35		226413	
2,2-Dichloropropane	ND	U	1.00	0.180	1	NA	11/22/10 13:35		226413	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 13:35		226413	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 13:35		226413	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 13:35		226413	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 13:35		226413	
Acetonitrile	ND	U	25.0	18.0	1	NA	11/22/10 13:35		226413	
Acrolein	ND	U	50.0	4.20	1	NA	11/22/10 13:35		226413	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 13:35		226413	
Allyl Chloride	ND	U	5.00	0.390	1	NA	11/22/10 13:35		226413	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 13:35		226413	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 13:35		226413	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 13:35		226413	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 13:35		226413	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 13:35		226413	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 13:35		226413	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 13:35		226413	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 13:35		226413	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 13:35		226413	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 13:35		226413	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Trip Blank 2
Lab Code: J1005486-004

Service Request: J1005486
Date Collected: 11/11/10 0000
Date Received: 11/12/10

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 13:35		226413	
Chloroprene	ND	U	1.00	0.00	1	NA	11/22/10 13:35		226413	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 13:35		226413	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 13:35		226413	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 13:35		226413	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 13:35		226413	
Dichlorodifluoromethane	ND	U	20.0	0.230	1	NA	11/22/10 13:35		226413	
Ethyl Methacrylate	ND	U	1.00	0.190	1	NA	11/22/10 13:35		226413	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 13:35		226413	
Hexachlorobutadiene	ND	U	10.0	0.600	1	NA	11/22/10 13:35		226413	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 13:35		226413	
Isobutyl Alcohol	ND	U	100	43.0	1	NA	11/22/10 13:35		226413	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 13:35		226413	
Methacrylonitrile	ND	U	5.00	1.60	1	NA	11/22/10 13:35		226413	
Methyl Methacrylate	ND	U	2.00	0.270	1	NA	11/22/10 13:35		226413	
Methylene Chloride	**0.350**	I	5.00	0.210	1	NA	11/22/10 13:35		226413	
Naphthalene	ND	U	10.0	0.240	1	NA	11/22/10 13:35		226413	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 13:35		226413	
Propionitrile	ND	U	25.0	3.90	1	NA	11/22/10 13:35		226413	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 13:35		226413	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 13:35		226413	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 13:35		226413	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 13:35		226413	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 13:35		226413	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 13:35		226413	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 13:35		226413	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 13:35		226413	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 13:35		226413	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 13:35		226413	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	71-122	11/22/10 13:35	
4-Bromofluorobenzene	97	75-120	11/22/10 13:35	
Dibromofluoromethane	95	82-116	11/22/10 13:35	
Toluene-d8	104	88-117	11/22/10 13:35	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1005766-02

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.00	0.180	1	NA	11/22/10 09:26		226413	
1,1,1-Trichloroethane (TCA)	ND	U	1.00	0.170	1	NA	11/22/10 09:26		226413	
1,1,2,2-Tetrachloroethane	ND	U	1.00	0.110	1	NA	11/22/10 09:26		226413	
1,1,2-Trichloroethane	ND	U	1.00	0.170	1	NA	11/22/10 09:26		226413	
1,1-Dichloroethane (1,1-DCA)	ND	U	1.00	0.130	1	NA	11/22/10 09:26		226413	
1,1-Dichloroethene (1,1-DCE)	ND	U	1.00	0.160	1	NA	11/22/10 09:26		226413	
1,1-Dichloropropene	ND	U	5.00	0.120	1	NA	11/22/10 09:26		226413	
1,2,3-Trichloropropane	ND	U	2.00	0.420	1	NA	11/22/10 09:26		226413	
1,2,4-Trichlorobenzene	ND	U	10.0	0.210	1	NA	11/22/10 09:26		226413	
1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.00	2.30	1	NA	11/22/10 09:26		226413	
1,2-Dibromoethane (EDB)	ND	U	1.00	0.170	1	NA	11/22/10 09:26		226413	
1,2-Dichlorobenzene	ND	U	1.00	0.478	1	NA	11/22/10 09:26		226413	
1,2-Dichloroethane	ND	U	1.00	0.180	1	NA	11/22/10 09:26		226413	
1,2-Dichloropropane	ND	U	1.00	0.120	1	NA	11/22/10 09:26		226413	
1,3-Dichlorobenzene	ND	U	1.00	0.130	1	NA	11/22/10 09:26		226413	
1,3-Dichloropropane	ND	U	1.00	0.150	1	NA	11/22/10 09:26		226413	
1,4-Dichlorobenzene	ND	U	1.00	0.100	1	NA	11/22/10 09:26		226413	
2,2-Dichloropropane	ND	U	1.00	0.180	1	NA	11/22/10 09:26		226413	
2-Butanone (MEK)	ND	U	10.0	3.80	1	NA	11/22/10 09:26		226413	
2-Hexanone	ND	U	25.0	2.20	1	NA	11/22/10 09:26		226413	
4-Methyl-2-pentanone (MIBK)	ND	U	25.0	0.650	1	NA	11/22/10 09:26		226413	
Acetone	ND	U	50.0	5.60	1	NA	11/22/10 09:26		226413	
Acetonitrile	ND	U	25.0	18.0	1	NA	11/22/10 09:26		226413	
Acrolein	ND	U	50.0	4.20	1	NA	11/22/10 09:26		226413	
Acrylonitrile	ND	U	10.0	1.20	1	NA	11/22/10 09:26		226413	
Allyl Chloride	ND	U	5.00	0.390	1	NA	11/22/10 09:26		226413	
Benzene	ND	U	1.00	0.210	1	NA	11/22/10 09:26		226413	
Bromochloromethane	ND	U	5.00	0.270	1	NA	11/22/10 09:26		226413	
Bromodichloromethane	ND	U	1.00	0.170	1	NA	11/22/10 09:26		226413	
Bromoform	ND	U	2.00	0.420	1	NA	11/22/10 09:26		226413	
Bromomethane	ND	U	1.00	0.220	1	NA	11/22/10 09:26		226413	
Carbon Disulfide	ND	U	10.0	2.36	1	NA	11/22/10 09:26		226413	
Carbon Tetrachloride	ND	U	1.00	0.340	1	NA	11/22/10 09:26		226413	
Chlorobenzene	ND	U	1.00	0.160	1	NA	11/22/10 09:26		226413	
Chloroethane	ND	U	5.00	0.220	1	NA	11/22/10 09:26		226413	
Chloroform	ND	U	1.00	0.350	1	NA	11/22/10 09:26		226413	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1005766-02

Service Request: J1005486
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 226413

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Chloromethane	ND	U	1.00	0.110	1	NA	11/22/10 09:26		226413	
Chloroprene	ND	U	1.00	0.00	1	NA	11/22/10 09:26		226413	
cis-1,2-Dichloroethene	ND	U	1.00	0.360	1	NA	11/22/10 09:26		226413	
cis-1,3-Dichloropropene	ND	U	1.00	0.200	1	NA	11/22/10 09:26		226413	
Dibromochloromethane	ND	U	1.00	0.190	1	NA	11/22/10 09:26		226413	
Dibromomethane	ND	U	5.00	0.180	1	NA	11/22/10 09:26		226413	
Dichlorodifluoromethane	ND	U	20.0	0.230	1	NA	11/22/10 09:26		226413	
Ethyl Methacrylate	ND	U	1.00	0.190	1	NA	11/22/10 09:26		226413	
Ethylbenzene	ND	U	1.00	0.210	1	NA	11/22/10 09:26		226413	
Hexachlorobutadiene	ND	U	10.0	0.600	1	NA	11/22/10 09:26		226413	
Iodomethane	ND	U	5.00	2.68	1	NA	11/22/10 09:26		226413	
Isobutyl Alcohol	ND	U	100	43.0	1	NA	11/22/10 09:26		226413	
m,p-Xylenes	ND	U	2.00	0.410	1	NA	11/22/10 09:26		226413	
Methacrylonitrile	ND	U	5.00	1.60	1	NA	11/22/10 09:26		226413	
Methyl Methacrylate	ND	U	2.00	0.270	1	NA	11/22/10 09:26		226413	
Methylene Chloride	ND	U	5.00	0.210	1	NA	11/22/10 09:26		226413	
Naphthalene	ND	U	10.0	0.240	1	NA	11/22/10 09:26		226413	
o-Xylene	ND	U	1.00	0.140	1	NA	11/22/10 09:26		226413	
Propionitrile	ND	U	25.0	3.90	1	NA	11/22/10 09:26		226413	
Styrene	ND	U	1.00	0.291	1	NA	11/22/10 09:26		226413	
Tetrachloroethene (PCE)	ND	U	1.00	0.110	1	NA	11/22/10 09:26		226413	
Toluene	ND	U	1.00	0.190	1	NA	11/22/10 09:26		226413	
trans-1,2-Dichloroethene	ND	U	1.00	0.120	1	NA	11/22/10 09:26		226413	
trans-1,3-Dichloropropene	ND	U	1.00	0.230	1	NA	11/22/10 09:26		226413	
trans-1,4-Dichloro-2-butene	ND	U	20.0	2.20	1	NA	11/22/10 09:26		226413	
Trichloroethene (TCE)	ND	U	1.00	0.160	1	NA	11/22/10 09:26		226413	
Trichlorofluoromethane	ND	U	20.0	0.220	1	NA	11/22/10 09:26		226413	
Vinyl Acetate	ND	U	10.0	1.90	1	NA	11/22/10 09:26		226413	
Vinyl Chloride	ND	U	1.00	0.220	1	NA	11/22/10 09:26		226413	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	71-122	11/22/10 09:26	
4-Bromofluorobenzene	98	75-120	11/22/10 09:26	
Dibromofluoromethane	95	82-116	11/22/10 09:26	
Toluene-d8	107	88-117	11/22/10 09:26	

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/2010
Date Received: 11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-3
Lab Code: J1005486-001

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	54	6.0	10	11/15/10	11/23/10	JWG1004049	
1,2,4-Trichlorobenzene	ND	U	54	8.4	10	11/15/10	11/23/10	JWG1004049	
1,2-Dichlorobenzene	ND	U	54	8.0	10	11/15/10	11/23/10	JWG1004049	
1,3,5-Trinitrobenzene	ND	U	54	12	10	11/15/10	11/23/10	JWG1004049	
1,3-Dichlorobenzene	ND	U	54	7.6	10	11/15/10	11/23/10	JWG1004049	
1,3-Dinitrobenzene	ND	U	110	17	10	11/15/10	11/23/10	JWG1004049	
1,4-Dichlorobenzene	ND	U	54	13	10	11/15/10	11/23/10	JWG1004049	
1,4-Naphthoquinone†	ND	U	110	110	10	11/15/10	11/23/10	JWG1004049	
1-Naphthylamine	ND	U	54	12	10	11/15/10	11/23/10	JWG1004049	
2,3,4,6-Tetrachlorophenol	ND	U	54	13	10	11/15/10	11/23/10	JWG1004049	
2,4,5-Trichlorophenol	ND	U	54	7.0	10	11/15/10	11/23/10	JWG1004049	
2,4,6-Trichlorophenol	ND	U	54	7.9	10	11/15/10	11/23/10	JWG1004049	
2,4-Dichlorophenol	ND	U	54	5.4	10	11/15/10	11/23/10	JWG1004049	
2,4-Dimethylphenol	ND	U	54	8.5	10	11/15/10	11/23/10	JWG1004049	
2,4-Dinitrophenol	ND	U	220	5.9	10	11/15/10	11/23/10	JWG1004049	
2,4-Dinitrotoluene	ND	U	54	45	10	11/15/10	11/23/10	JWG1004049	
2,6-Dichlorophenol	ND	U	110	7.8	10	11/15/10	11/23/10	JWG1004049	
2,6-Dinitrotoluene	ND	U	54	9.0	10	11/15/10	11/23/10	JWG1004049	
2-Acetylaminofluorene	ND	U	54	9.7	10	11/15/10	11/23/10	JWG1004049	
2-Chloronaphthalene	ND	U	54	7.7	10	11/15/10	11/23/10	JWG1004049	
2-Chlorophenol	ND	U	54	8.1	10	11/15/10	11/23/10	JWG1004049	
2-Methyl-4,6-dinitrophenol	ND	U	220	6.9	10	11/15/10	11/23/10	JWG1004049	
2-Methylnaphthalene	ND	U	54	8.0	10	11/15/10	11/23/10	JWG1004049	
2-Methylphenol	ND	U	54	6.9	10	11/15/10	11/23/10	JWG1004049	
2-Naphthylamine	ND	UJ	54	12	10	11/15/10	11/23/10	JWG1004049	J(3)
2-Nitroaniline	ND	U	54	6.0	10	11/15/10	11/23/10	JWG1004049	
2-Nitrophenol	ND	U	220	6.5	10	11/15/10	11/23/10	JWG1004049	
3,3'-Dichlorobenzidine	ND	U	220	9.6	10	11/15/10	11/23/10	JWG1004049	
3,3'-Dimethylbenzidine	ND	U	220	25	10	11/15/10	11/23/10	JWG1004049	
3-Methylcholanthrene	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
3-Nitroaniline	ND	U	54	8.1	10	11/15/10	11/23/10	JWG1004049	
4-Aminobiphenyl	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
4-Bromophenyl Phenyl Ether	ND	U	54	7.3	10	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	54	8.1	10	11/15/10	11/23/10	JWG1004049	
4-Chloroaniline	ND	UJ	54	5.7	10	11/15/10	11/23/10	JWG1004049	J(3)
4-Chlorophenyl Phenyl Ether	ND	U	54	6.6	10	11/15/10	11/23/10	JWG1004049	
4-Methylphenol†	97		54	8.3	10	11/15/10	11/23/10	JWG1004049	
4-Nitroaniline	ND	U	54	9.9	10	11/15/10	11/23/10	JWG1004049	
4-Nitrophenol	ND	U	220	10	10	11/15/10	11/23/10	JWG1004049	
5-Nitro-o-toluidine	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
7,12-Dimethylbenz(a)anthracene	ND	U	54	9.4	10	11/15/10	11/23/10	JWG1004049	
Acenaphthene	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Acenaphthylene	ND	U	54	6.3	10	11/15/10	11/23/10	JWG1004049	
Acetophenone	ND	U	110	14	10	11/15/10	11/23/10	JWG1004049	
Anthracene	ND	U	54	7.7	10	11/15/10	11/23/10	JWG1004049	
Benz(a)anthracene	ND	U	54	9.3	10	11/15/10	11/23/10	JWG1004049	
Benzo(a)pyrene	ND	U	54	6.8	10	11/15/10	11/23/10	JWG1004049	
Benzo(b)fluoranthene	ND	U	54	9.4	10	11/15/10	11/23/10	JWG1004049	
Benzo(g,h,i)perylene	ND	U	54	9.8	10	11/15/10	11/23/10	JWG1004049	
Benzo(k)fluoranthene	ND	U	54	5.9	10	11/15/10	11/23/10	JWG1004049	
Benzyl alcohol	ND	U	54	7.5	10	11/15/10	11/23/10	JWG1004049	
bis(2-Chloroethoxy)methane	ND	U	54	9.6	10	11/15/10	11/23/10	JWG1004049	
Bis(2-chloroethyl) Ether	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Bis(2-chloroisopropyl) Ether	ND	U	54	6.2	10	11/15/10	11/23/10	JWG1004049	
Bis(2-ethylhexyl) Phthalate	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Butyl Benzyl Phthalate	ND	U	110	12	10	11/15/10	11/23/10	JWG1004049	
Chlorobenzilate	ND	U	110	9.1	10	11/15/10	11/23/10	JWG1004049	
Chrysene	ND	U	54	9.4	10	11/15/10	11/23/10	JWG1004049	
Di-n-butyl Phthalate	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Di-n-octyl Phthalate	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Diallate	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
Dibenz(a,h)anthracene	ND	U	54	6.7	10	11/15/10	11/23/10	JWG1004049	
Dibenzofuran	ND	U	54	8.5	10	11/15/10	11/23/10	JWG1004049	
Diethyl Phthalate	ND	U	54	45	10	11/15/10	11/23/10	JWG1004049	
Dimethoate	ND	U	54	9.7	10	11/15/10	11/23/10	JWG1004049	
Dimethyl Phthalate	ND	U	54	8.2	10	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	110	6.6	10	11/15/10	11/23/10	JWG1004049	
Disulfoton	ND	U	54	5.6	10	11/15/10	11/23/10	JWG1004049	
Ethyl Methanesulfonate	ND	U	54	7.0	10	11/15/10	11/23/10	JWG1004049	
Famphur	ND	UJ	110	7.5	10	11/15/10	11/23/10	JWG1004049	J(3)
Fluoranthene	ND	U	54	7.1	10	11/15/10	11/23/10	JWG1004049	
Fluorene	ND	U	54	9.5	10	11/15/10	11/23/10	JWG1004049	
Hexachlorobenzene	ND	U	54	6.8	10	11/15/10	11/23/10	JWG1004049	
Hexachlorobutadiene	ND	U	54	6.6	10	11/15/10	11/23/10	JWG1004049	
Hexachlorocyclopentadiene	ND	U	54	4.5	10	11/15/10	11/23/10	JWG1004049	
Hexachloroethane	ND	U	54	9.9	10	11/15/10	11/23/10	JWG1004049	
Hexachloropropene	ND	U	54	21	10	11/15/10	11/23/10	JWG1004049	
Indeno(1,2,3-cd)pyrene	ND	U	54	6.0	10	11/15/10	11/23/10	JWG1004049	
Isodrin	ND	U	110	7.7	10	11/15/10	11/23/10	JWG1004049	
Isophorone	ND	U	54	8.7	10	11/15/10	11/23/10	JWG1004049	
Isosafrole	ND	U	54	8.1	10	11/15/10	11/23/10	JWG1004049	
Kepone	ND	UJ	540	46	10	11/15/10	11/23/10	JWG1004049	J(3)
Methapyrilene	ND	U	54	17	10	11/15/10	11/23/10	JWG1004049	
Methyl Methanesulfonate	ND	UJ	54	6.1	10	11/15/10	11/23/10	JWG1004049	J(3)
Methyl Parathion	ND	U	110	12	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosodi-n-butylamine	ND	U	54	7.3	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosodi-n-propylamine	ND	U	54	7.4	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosodiethylamine	ND	U	54	6.8	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosodimethylamine	ND	U	54	7.9	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosodiphenylamine†	ND	U	54	11	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosomethylethylamine	ND	U	54	8.9	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosopiperidine	ND	U	54	18	10	11/15/10	11/23/10	JWG1004049	
N-Nitrosopyrrolidine	ND	U	54	7.6	10	11/15/10	11/23/10	JWG1004049	
Naphthalene	ND	U	54	8.5	10	11/15/10	11/23/10	JWG1004049	
Nitrobenzene	ND	U	54	7.9	10	11/15/10	11/23/10	JWG1004049	
O,O,O-Triethyl Phosphorothioate	ND	U	220	5.6	10	11/15/10	11/23/10	JWG1004049	
o-Toluidine	ND	U	54	9.6	10	11/15/10	11/23/10	JWG1004049	
p-Dimethylaminoazobenzene	ND	U	54	9.6	10	11/15/10	11/23/10	JWG1004049	
p-Phenylenediamine	ND	U	220	12	10	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	220	10	10	11/15/10	11/23/10	JWG1004049	
Pentachlorobenzene	ND	U	54	26	10	11/15/10	11/23/10	JWG1004049	
Pentachloronitrobenzene	ND	U	54	17	10	11/15/10	11/23/10	JWG1004049	
Pentachlorophenol	ND	UJ	220	7.3	10	11/15/10	11/23/10	JWG1004049	J(3)
Phenacetin	ND	U	54	9.6	10	11/15/10	11/23/10	JWG1004049	
Phenanthrene	ND	U	54	7.6	10	11/15/10	11/23/10	JWG1004049	
Phenol	7.5	I	54	4.6	10	11/15/10	11/23/10	JWG1004049	
Phorate	ND	UJ	54	9.5	10	11/15/10	11/23/10	JWG1004049	J(3)
Pronamide	ND	U	220	9.2	10	11/15/10	11/23/10	JWG1004049	
Pyrene	ND	U	54	9.1	10	11/15/10	11/23/10	JWG1004049	
Safrole	ND	U	54	7.7	10	11/15/10	11/23/10	JWG1004049	
Thionazin	ND	U	110	8.8	10	11/15/10	11/23/10	JWG1004049	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	84	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	58	30-102	11/23/10	Acceptable
2-Fluorophenol	42	10-77	11/23/10	Acceptable
Nitrobenzene-d5	85	32-106	11/23/10	Acceptable
Phenol-d6	48	10-51	11/23/10	Acceptable
Terphenyl-d14	34	23-165	11/23/10	Acceptable

† Analyte Comments

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/2010
Date Received: 11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: L-6
Lab Code: J1005486-003

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	59	6.5	10	11/15/10	11/30/10	JWG1004049	
1,2,4-Trichlorobenzene	ND	U	59	9.2	10	11/15/10	11/30/10	JWG1004049	
1,2-Dichlorobenzene	ND	U	59	8.8	10	11/15/10	11/30/10	JWG1004049	
1,3,5-Trinitrobenzene	ND	U	59	13	10	11/15/10	11/30/10	JWG1004049	
1,3-Dichlorobenzene	ND	U	59	8.3	10	11/15/10	11/30/10	JWG1004049	
1,3-Dinitrobenzene	ND	U	120	18	10	11/15/10	11/30/10	JWG1004049	
1,4-Dichlorobenzene	ND	U	59	15	10	11/15/10	11/30/10	JWG1004049	
1,4-Naphthoquinone†	ND	U	120	120	10	11/15/10	11/30/10	JWG1004049	
1-Naphthylamine	ND	U	59	13	10	11/15/10	11/30/10	JWG1004049	
2,3,4,6-Tetrachlorophenol	ND	U	59	15	10	11/15/10	11/30/10	JWG1004049	
2,4,5-Trichlorophenol	ND	U	59	7.7	10	11/15/10	11/30/10	JWG1004049	
2,4,6-Trichlorophenol	ND	U	59	8.6	10	11/15/10	11/30/10	JWG1004049	
2,4-Dichlorophenol	ND	U	59	5.9	10	11/15/10	11/30/10	JWG1004049	
2,4-Dimethylphenol	ND	U	59	9.3	10	11/15/10	11/30/10	JWG1004049	
2,4-Dinitrophenol	ND	U	240	6.4	10	11/15/10	11/30/10	JWG1004049	
2,4-Dinitrotoluene	ND	U	59	49	10	11/15/10	11/30/10	JWG1004049	
2,6-Dichlorophenol	ND	U	120	8.5	10	11/15/10	11/30/10	JWG1004049	
2,6-Dinitrotoluene	ND	U	59	9.8	10	11/15/10	11/30/10	JWG1004049	
2-Acetylaminofluorene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
2-Chloronaphthalene	ND	U	59	8.4	10	11/15/10	11/30/10	JWG1004049	
2-Chlorophenol	ND	U	59	8.9	10	11/15/10	11/30/10	JWG1004049	
2-Methyl-4,6-dinitrophenol	ND	U	240	7.6	10	11/15/10	11/30/10	JWG1004049	
2-Methylnaphthalene	ND	U	59	8.8	10	11/15/10	11/30/10	JWG1004049	
2-Methylphenol	**28**	I	59	7.6	10	11/15/10	11/30/10	JWG1004049	
2-Naphthylamine	ND	UJ	59	13	10	11/15/10	11/30/10	JWG1004049	J(3)
2-Nitroaniline	ND	U	59	6.5	10	11/15/10	11/30/10	JWG1004049	
2-Nitrophenol	ND	U	240	7.1	10	11/15/10	11/30/10	JWG1004049	
3,3'-Dichlorobenzidine	ND	U	240	11	10	11/15/10	11/30/10	JWG1004049	
3,3'-Dimethylbenzidine	ND	U	240	28	10	11/15/10	11/30/10	JWG1004049	
3-Methylcholanthrene	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
3-Nitroaniline	ND	U	59	8.9	10	11/15/10	11/30/10	JWG1004049	
4-Aminobiphenyl	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
4-Bromophenyl Phenyl Ether	ND	U	59	7.9	10	11/15/10	11/30/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1005486-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	59	8.9	10	11/15/10	11/30/10	JWG1004049	
4-Chloroaniline	ND	UJ	59	6.3	10	11/15/10	11/30/10	JWG1004049	J(3)
4-Chlorophenyl Phenyl Ether	ND	U	59	7.2	10	11/15/10	11/30/10	JWG1004049	
4-Methylphenol†	ND	U	59	9.1	10	11/15/10	11/30/10	JWG1004049	
4-Nitroaniline	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
4-Nitrophenol	ND	U	240	11	10	11/15/10	11/30/10	JWG1004049	
5-Nitro-o-toluidine	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
7,12-Dimethylbenz(a)anthracene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Acenaphthene	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Acenaphthylene	ND	U	59	6.9	10	11/15/10	11/30/10	JWG1004049	
Acetophenone	ND	U	120	16	10	11/15/10	11/30/10	JWG1004049	
Anthracene	ND	U	59	8.4	10	11/15/10	11/30/10	JWG1004049	
Benz(a)anthracene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Benzo(a)pyrene	ND	U	59	7.5	10	11/15/10	11/30/10	JWG1004049	
Benzo(b)fluoranthene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Benzo(g,h,i)perylene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Benzo(k)fluoranthene	ND	U	59	6.4	10	11/15/10	11/30/10	JWG1004049	
Benzyl alcohol	ND	U	59	8.2	10	11/15/10	11/30/10	JWG1004049	
bis(2-Chloroethoxy)methane	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Bis(2-chloroethyl) Ether	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Bis(2-chloroisopropyl) Ether	ND	U	59	6.8	10	11/15/10	11/30/10	JWG1004049	
Bis(2-ethylhexyl) Phthalate	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Butyl Benzyl Phthalate	ND	U	120	13	10	11/15/10	11/30/10	JWG1004049	
Chlorobenzilate	ND	U	120	9.9	10	11/15/10	11/30/10	JWG1004049	
Chrysene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Di-n-butyl Phthalate	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Di-n-octyl Phthalate	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Diallate	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
Dibenz(a,h)anthracene	ND	U	59	7.3	10	11/15/10	11/30/10	JWG1004049	
Dibenzofuran	ND	U	59	9.3	10	11/15/10	11/30/10	JWG1004049	
Diethyl Phthalate	ND	U	59	49	10	11/15/10	11/30/10	JWG1004049	
Dimethoate	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Dimethyl Phthalate	ND	U	59	9.0	10	11/15/10	11/30/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1005486-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	120	7.2	10	11/15/10	11/30/10	JWG1004049	
Disulfoton	ND	U	59	6.2	10	11/15/10	11/30/10	JWG1004049	
Ethyl Methanesulfonate	ND	U	59	7.7	10	11/15/10	11/30/10	JWG1004049	
Famphur	ND	UJ	120	8.2	10	11/15/10	11/30/10	JWG1004049	J(3)
Fluoranthene	ND	U	59	7.8	10	11/15/10	11/30/10	JWG1004049	
Fluorene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Hexachlorobenzene	ND	U	59	7.5	10	11/15/10	11/30/10	JWG1004049	
Hexachlorobutadiene	ND	U	59	7.2	10	11/15/10	11/30/10	JWG1004049	
Hexachlorocyclopentadiene	ND	U	59	4.9	10	11/15/10	11/30/10	JWG1004049	
Hexachloroethane	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Hexachloropropene	ND	U	59	23	10	11/15/10	11/30/10	JWG1004049	
Indeno(1,2,3-cd)pyrene	ND	U	59	6.5	10	11/15/10	11/30/10	JWG1004049	
Isodrin	ND	U	120	8.4	10	11/15/10	11/30/10	JWG1004049	
Isophorone	ND	U	59	9.5	10	11/15/10	11/30/10	JWG1004049	
Isosafrole	ND	U	59	8.9	10	11/15/10	11/30/10	JWG1004049	
Kepone	ND	UJ	590	50	10	11/15/10	11/30/10	JWG1004049	J(3)
Methapyrilene	ND	U	59	18	10	11/15/10	11/30/10	JWG1004049	
Methyl Methanesulfonate	ND	UJ	59	6.6	10	11/15/10	11/30/10	JWG1004049	J(3)
Methyl Parathion	ND	U	120	13	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosodi-n-butylamine	ND	U	59	7.9	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosodi-n-propylamine	ND	U	59	8.0	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosodiethylamine	ND	U	59	7.5	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosodimethylamine	ND	U	59	8.6	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosodiphenylamine†	ND	U	59	12	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosomethylethylamine	ND	U	59	9.7	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosopiperidine	ND	U	59	19	10	11/15/10	11/30/10	JWG1004049	
N-Nitrosopyrrolidine	ND	U	59	8.3	10	11/15/10	11/30/10	JWG1004049	
Naphthalene	ND	U	59	9.3	10	11/15/10	11/30/10	JWG1004049	
Nitrobenzene	ND	U	59	8.6	10	11/15/10	11/30/10	JWG1004049	
O,O,O-Triethyl Phosphorothioate	ND	U	240	6.2	10	11/15/10	11/30/10	JWG1004049	
o-Toluidine	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
p-Dimethylaminoazobenzene	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
p-Phenylenediamine	ND	U	240	13	10	11/15/10	11/30/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1005486-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	240	11	10	11/15/10	11/30/10	JWG1004049	
Pentachlorobenzene	ND	U	59	29	10	11/15/10	11/30/10	JWG1004049	
Pentachloronitrobenzene	ND	U	59	18	10	11/15/10	11/30/10	JWG1004049	
Pentachlorophenol	ND	UJ	240	7.9	10	11/15/10	11/30/10	JWG1004049	J(3)
Phenacetin	ND	U	59	11	10	11/15/10	11/30/10	JWG1004049	
Phenanthrene	ND	U	59	8.3	10	11/15/10	11/30/10	JWG1004049	
Phenol	ND	U	59	5.0	10	11/15/10	11/30/10	JWG1004049	
Phorate	ND	UJ	59	11	10	11/15/10	11/30/10	JWG1004049	J(3)
Pronamide	ND	U	240	10	10	11/15/10	11/30/10	JWG1004049	
Pyrene	ND	U	59	9.9	10	11/15/10	11/30/10	JWG1004049	
Safrole	ND	U	59	8.4	10	11/15/10	11/30/10	JWG1004049	
Thionazin	ND	U	120	9.6	10	11/15/10	11/30/10	JWG1004049	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	96	30-143	11/30/10	Acceptable
2-Fluorobiphenyl	61	30-102	11/30/10	Acceptable
2-Fluorophenol	45	10-77	11/30/10	Acceptable
Nitrobenzene-d5	86	32-106	11/30/10	Acceptable
Phenol-d6	61	10-51	11/30/10	Outside Control Limits
Terphenyl-d14	60	23-165	11/30/10	Acceptable

† Analyte Comments

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: Method Blank
Lab Code: JWG1004049-4

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2,4,5-Tetrachlorobenzene	ND	U	5.0	0.55	1	11/15/10	11/23/10	JWG1004049	
1,2,4-Trichlorobenzene	ND	U	5.0	0.78	1	11/15/10	11/23/10	JWG1004049	
1,2-Dichlorobenzene	ND	U	5.0	0.74	1	11/15/10	11/23/10	JWG1004049	
1,3,5-Trinitrobenzene	ND	U	5.0	1.1	1	11/15/10	11/23/10	JWG1004049	
1,3-Dichlorobenzene	ND	U	5.0	0.70	1	11/15/10	11/23/10	JWG1004049	
1,3-Dinitrobenzene	ND	U	10	1.5	1	11/15/10	11/23/10	JWG1004049	
1,4-Dichlorobenzene	ND	U	5.0	1.2	1	11/15/10	11/23/10	JWG1004049	
1,4-Naphthoquinone†	ND	U	10	10	1	11/15/10	11/23/10	JWG1004049	
1-Naphthylamine	ND	U	5.0	1.1	1	11/15/10	11/23/10	JWG1004049	
2,3,4,6-Tetrachlorophenol	ND	U	5.0	1.2	1	11/15/10	11/23/10	JWG1004049	
2,4,5-Trichlorophenol	ND	U	5.0	0.65	1	11/15/10	11/23/10	JWG1004049	
2,4,6-Trichlorophenol	ND	U	5.0	0.73	1	11/15/10	11/23/10	JWG1004049	
2,4-Dichlorophenol	ND	U	5.0	0.50	1	11/15/10	11/23/10	JWG1004049	
2,4-Dimethylphenol	ND	U	5.0	0.79	1	11/15/10	11/23/10	JWG1004049	
2,4-Dinitrophenol	ND	U	20	0.54	1	11/15/10	11/23/10	JWG1004049	
2,4-Dinitrotoluene	ND	U	5.0	4.1	1	11/15/10	11/23/10	JWG1004049	
2,6-Dichlorophenol	ND	U	10	0.72	1	11/15/10	11/23/10	JWG1004049	
2,6-Dinitrotoluene	ND	U	5.0	0.83	1	11/15/10	11/23/10	JWG1004049	
2-Acetylaminofluorene	ND	U	5.0	0.90	1	11/15/10	11/23/10	JWG1004049	
2-Chloronaphthalene	ND	U	5.0	0.71	1	11/15/10	11/23/10	JWG1004049	
2-Chlorophenol	ND	U	5.0	0.75	1	11/15/10	11/23/10	JWG1004049	
2-Methyl-4,6-dinitrophenol	ND	U	20	0.64	1	11/15/10	11/23/10	JWG1004049	
2-Methylnaphthalene	ND	U	5.0	0.74	1	11/15/10	11/23/10	JWG1004049	
2-Methylphenol	ND	U	5.0	0.64	1	11/15/10	11/23/10	JWG1004049	
2-Naphthylamine	ND	UJ	5.0	1.1	1	11/15/10	11/23/10	JWG1004049	J(3)
2-Nitroaniline	ND	U	5.0	0.55	1	11/15/10	11/23/10	JWG1004049	
2-Nitrophenol	ND	U	20	0.60	1	11/15/10	11/23/10	JWG1004049	
3,3'-Dichlorobenzidine	ND	U	20	0.89	1	11/15/10	11/23/10	JWG1004049	
3,3'-Dimethylbenzidine	ND	U	20	2.3	1	11/15/10	11/23/10	JWG1004049	
3-Methylcholanthrene	ND	U	5.0	0.97	1	11/15/10	11/23/10	JWG1004049	
3-Nitroaniline	ND	U	5.0	0.75	1	11/15/10	11/23/10	JWG1004049	
4-Aminobiphenyl	ND	U	5.0	0.99	1	11/15/10	11/23/10	JWG1004049	
4-Bromophenyl Phenyl Ether	ND	U	5.0	0.67	1	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG1004049-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Chloro-3-methylphenol	ND	U	5.0	0.75	1	11/15/10	11/23/10	JWG1004049	
4-Chloroaniline	ND	UJ	5.0	0.53	1	11/15/10	11/23/10	JWG1004049	J(3)
4-Chlorophenyl Phenyl Ether	ND	U	5.0	0.61	1	11/15/10	11/23/10	JWG1004049	
4-Methylphenol†	ND	U	5.0	0.77	1	11/15/10	11/23/10	JWG1004049	
4-Nitroaniline	ND	U	5.0	0.92	1	11/15/10	11/23/10	JWG1004049	
4-Nitrophenol	ND	U	20	0.93	1	11/15/10	11/23/10	JWG1004049	
5-Nitro-o-toluidine	ND	U	5.0	1.0	1	11/15/10	11/23/10	JWG1004049	
7,12-Dimethylbenz(a)anthracene	ND	U	5.0	0.87	1	11/15/10	11/23/10	JWG1004049	
Acenaphthene	ND	U	5.0	0.99	1	11/15/10	11/23/10	JWG1004049	
Acenaphthylene	ND	U	5.0	0.58	1	11/15/10	11/23/10	JWG1004049	
Acetophenone	ND	U	10	1.3	1	11/15/10	11/23/10	JWG1004049	
Anthracene	ND	U	5.0	0.71	1	11/15/10	11/23/10	JWG1004049	
Benz(a)anthracene	ND	U	5.0	0.86	1	11/15/10	11/23/10	JWG1004049	
Benzo(a)pyrene	ND	U	5.0	0.63	1	11/15/10	11/23/10	JWG1004049	
Benzo(b)fluoranthene	ND	U	5.0	0.87	1	11/15/10	11/23/10	JWG1004049	
Benzo(g,h,i)perylene	ND	U	5.0	0.91	1	11/15/10	11/23/10	JWG1004049	
Benzo(k)fluoranthene	ND	U	5.0	0.54	1	11/15/10	11/23/10	JWG1004049	
Benzyl alcohol	ND	U	5.0	0.69	1	11/15/10	11/23/10	JWG1004049	
bis(2-Chloroethoxy)methane	ND	U	5.0	0.89	1	11/15/10	11/23/10	JWG1004049	
Bis(2-chloroethyl) Ether	ND	U	5.0	0.96	1	11/15/10	11/23/10	JWG1004049	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	0.57	1	11/15/10	11/23/10	JWG1004049	
Bis(2-ethylhexyl) Phthalate	ND	U	5.0	0.98	1	11/15/10	11/23/10	JWG1004049	
Butyl Benzyl Phthalate	ND	U	10	1.1	1	11/15/10	11/23/10	JWG1004049	
Chlorobenzilate	ND	U	10	0.84	1	11/15/10	11/23/10	JWG1004049	
Chrysene	ND	U	5.0	0.87	1	11/15/10	11/23/10	JWG1004049	
Di-n-butyl Phthalate	ND	U	5.0	0.97	1	11/15/10	11/23/10	JWG1004049	
Di-n-octyl Phthalate	ND	U	5.0	0.95	1	11/15/10	11/23/10	JWG1004049	
Diallate	ND	U	5.0	1.0	1	11/15/10	11/23/10	JWG1004049	
Dibenz(a,h)anthracene	ND	U	5.0	0.62	1	11/15/10	11/23/10	JWG1004049	
Dibenzofuran	ND	U	5.0	0.79	1	11/15/10	11/23/10	JWG1004049	
Diethyl Phthalate	ND	U	5.0	4.1	1	11/15/10	11/23/10	JWG1004049	
Dimethoate	ND	U	5.0	0.90	1	11/15/10	11/23/10	JWG1004049	
Dimethyl Phthalate	ND	U	5.0	0.76	1	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: Method Blank
Lab Code: JWG1004049-4

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dinoseb	ND	U	10	0.61	1	11/15/10	11/23/10	JWG1004049	
Disulfoton	ND	U	5.0	0.52	1	11/15/10	11/23/10	JWG1004049	
Ethyl Methanesulfonate	ND	U	5.0	0.65	1	11/15/10	11/23/10	JWG1004049	
Famphur	ND	UJ	10	0.69	1	11/15/10	11/23/10	JWG1004049	J(3)
Fluoranthene	ND	U	5.0	0.66	1	11/15/10	11/23/10	JWG1004049	
Fluorene	ND	U	5.0	0.88	1	11/15/10	11/23/10	JWG1004049	
Hexachlorobenzene	ND	U	5.0	0.63	1	11/15/10	11/23/10	JWG1004049	
Hexachlorobutadiene	ND	U	5.0	0.61	1	11/15/10	11/23/10	JWG1004049	
Hexachlorocyclopentadiene	ND	U	5.0	0.41	1	11/15/10	11/23/10	JWG1004049	
Hexachloroethane	ND	U	5.0	0.92	1	11/15/10	11/23/10	JWG1004049	
Hexachloropropene	ND	U	5.0	1.9	1	11/15/10	11/23/10	JWG1004049	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	0.55	1	11/15/10	11/23/10	JWG1004049	
Isodrin	ND	U	10	0.71	1	11/15/10	11/23/10	JWG1004049	
Isophorone	ND	U	5.0	0.80	1	11/15/10	11/23/10	JWG1004049	
Isosafrole	ND	U	5.0	0.75	1	11/15/10	11/23/10	JWG1004049	
Kepone	ND	UJ	50	4.2	1	11/15/10	11/23/10	JWG1004049	J(3)
Methapyrilene	ND	U	5.0	1.5	1	11/15/10	11/23/10	JWG1004049	
Methyl Methanesulfonate	ND	UJ	5.0	0.56	1	11/15/10	11/23/10	JWG1004049	J(3)
Methyl Parathion	ND	U	10	1.1	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosodi-n-butylamine	ND	U	5.0	0.67	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosodi-n-propylamine	ND	U	5.0	0.68	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosodiethylamine	ND	U	5.0	0.63	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosodimethylamine	ND	U	5.0	0.73	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosodiphenylamine†	ND	U	5.0	0.96	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosomethylethylamine	ND	U	5.0	0.82	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosopiperidine	ND	U	5.0	1.6	1	11/15/10	11/23/10	JWG1004049	
N-Nitrosopyrrolidine	ND	U	5.0	0.70	1	11/15/10	11/23/10	JWG1004049	
Naphthalene	ND	U	5.0	0.79	1	11/15/10	11/23/10	JWG1004049	
Nitrobenzene	ND	U	5.0	0.73	1	11/15/10	11/23/10	JWG1004049	
O,O,O-Triethyl Phosphorothioate	ND	U	20	0.52	1	11/15/10	11/23/10	JWG1004049	
o-Toluidine	ND	U	5.0	0.89	1	11/15/10	11/23/10	JWG1004049	
p-Dimethylaminoazobenzene	ND	U	5.0	0.89	1	11/15/10	11/23/10	JWG1004049	
p-Phenylenediamine	ND	U	20	1.1	1	11/15/10	11/23/10	JWG1004049	

Comments:

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG1004049-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Parathion	ND	U	20	0.93	1	11/15/10	11/23/10	JWG1004049	
Pentachlorobenzene	ND	U	5.0	2.4	1	11/15/10	11/23/10	JWG1004049	
Pentachloronitrobenzene	ND	U	5.0	1.5	1	11/15/10	11/23/10	JWG1004049	
Pentachlorophenol	ND	UJ	20	0.67	1	11/15/10	11/23/10	JWG1004049	J(3)
Phenacetin	ND	U	5.0	0.89	1	11/15/10	11/23/10	JWG1004049	
Phenanthrene	ND	U	5.0	0.70	1	11/15/10	11/23/10	JWG1004049	
Phenol	ND	U	5.0	0.42	1	11/15/10	11/23/10	JWG1004049	
Phorate	ND	UJ	5.0	0.88	1	11/15/10	11/23/10	JWG1004049	J(3)
Pronamide	ND	U	20	0.85	1	11/15/10	11/23/10	JWG1004049	
Pyrene	ND	U	5.0	0.84	1	11/15/10	11/23/10	JWG1004049	
Safrole	ND	U	5.0	0.71	1	11/15/10	11/23/10	JWG1004049	
Thionazin	ND	U	10	0.81	1	11/15/10	11/23/10	JWG1004049	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4,6-Tribromophenol	92	30-143	11/23/10	Acceptable
2-Fluorobiphenyl	75	30-102	11/23/10	Acceptable
2-Fluorophenol	61	10-77	11/23/10	Acceptable
Nitrobenzene-d5	85	32-106	11/23/10	Acceptable
Phenol-d6	53	10-51	11/23/10	Outside Control Limits
Terphenyl-d14	93	23-165	11/23/10	Acceptable

† Analyte Comments

1,4-Naphthoquinone	Analyte searched for as a tentatively identified compound.
4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Organochlorine Pesticides by GC-ECD

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.022	0.0085	1	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.022	0.0088	1	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	UJ	0.022	0.0091	1	11/12/10	11/22/10	JWG1004036	J(1)
delta-BHC	ND	UJ	0.022	0.012	1	11/12/10	11/22/10	JWG1004036	J(1)
Heptachlor	ND	UJ	0.022	0.011	1	11/12/10	11/22/10	JWG1004036	J(1)
Aldrin	ND	U	0.022	0.0073	1	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.022	0.0085	1	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	UJ	0.022	0.0080	1	11/12/10	11/22/10	JWG1004036	J(1)
alpha-Chlordane	ND	UJ	0.022	0.0071	1	11/12/10	11/22/10	JWG1004036	J(1)
4,4'-DDE	ND	UJ	0.022	0.0090	1	11/12/10	11/22/10	JWG1004036	J(1)
Endosulfan I	ND	UJ	0.022	0.0095	1	11/12/10	11/22/10	JWG1004036	J(1)
Dieldrin	ND	UJ	0.022	0.0078	1	11/12/10	11/22/10	JWG1004036	J(1)
Endrin	ND	UJ	0.022	0.0096	1	11/12/10	11/22/10	JWG1004036	J(1)
4,4'-DDD	ND	UJ	0.022	0.0085	1	11/12/10	11/22/10	JWG1004036	J(1)
Endosulfan II	ND	U	0.022	0.0069	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	UJ	0.022	0.014	1	11/12/10	11/22/10	JWG1004036	J(1)
Endrin Aldehyde	ND	UJ	0.022	0.0091	1	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	UJ	0.043	0.012	1	11/12/10	11/22/10	JWG1004036	J(1)
Endosulfan Sulfate	ND	U	0.022	0.0098	1	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.022	0.0057	1	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	0.54	0.54	1	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	25	32-92	11/22/10	Outside Control Limits
Decachlorobiphenyl	7	13-104	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/2010
Sample Matrix:	Water	**Date Received:**	11/12/2010

Organochlorine Pesticides by GC-ECD

Sample Name:	L-6	**Units:**	ug/L
Lab Code:	J1005486-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.23	0.088	10	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.23	0.092	10	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.23	0.095	10	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.23	0.13	10	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.23	0.11	10	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.23	0.076	10	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.23	0.088	10	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.23	0.084	10	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.23	0.074	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.23	0.094	10	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.23	0.099	10	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.23	0.082	10	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.23	0.10	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.23	0.088	10	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.23	0.072	10	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.23	0.15	10	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.23	0.095	10	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.45	0.13	10	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.23	0.11	10	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.23	0.059	10	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	5.6	5.6	10	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	28	32-92	11/22/10	Outside Control Limits
Decachlorobiphenyl	10	13-104	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Organochlorine Pesticides by GC-ECD

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG1004036-2	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
gamma-BHC (Lindane)	ND	UJ	0.020	0.0082	1	11/12/10	11/22/10	JWG1004036	J(3)
beta-BHC	ND	U	0.020	0.0085	1	11/12/10	11/22/10	JWG1004036	
delta-BHC	ND	U	0.020	0.011	1	11/12/10	11/22/10	JWG1004036	
Heptachlor	ND	U	0.020	0.0096	1	11/12/10	11/22/10	JWG1004036	
Aldrin	ND	U	0.020	0.0068	1	11/12/10	11/22/10	JWG1004036	
Heptachlor Epoxide	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
gamma-Chlordane	ND	U	0.020	0.0075	1	11/12/10	11/22/10	JWG1004036	
alpha-Chlordane	ND	U	0.020	0.0066	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDE	ND	U	0.020	0.0084	1	11/12/10	11/22/10	JWG1004036	
Endosulfan I	ND	U	0.020	0.0089	1	11/12/10	11/22/10	JWG1004036	
Dieldrin	ND	U	0.020	0.0073	1	11/12/10	11/22/10	JWG1004036	
Endrin	ND	U	0.020	0.0090	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDD	ND	U	0.020	0.0079	1	11/12/10	11/22/10	JWG1004036	
Endosulfan II	ND	U	0.020	0.0064	1	11/12/10	11/22/10	JWG1004036	
4,4'-DDT	ND	U	0.020	0.013	1	11/12/10	11/22/10	JWG1004036	
Endrin Aldehyde	ND	UJ	0.020	0.0085	1	11/12/10	11/22/10	JWG1004036	J(3)
Methoxychlor	ND	U	0.040	0.011	1	11/12/10	11/22/10	JWG1004036	
Endosulfan Sulfate	ND	U	0.020	0.0092	1	11/12/10	11/22/10	JWG1004036	
Endrin Ketone	ND	U	0.020	0.0053	1	11/12/10	11/22/10	JWG1004036	
Toxaphene	ND	U	0.50	0.50	1	11/12/10	11/22/10	JWG1004036	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	53	32-92	11/22/10	Acceptable
Decachlorobiphenyl	58	13-104	11/22/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/2010
Date Received: 11/12/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-3
Lab Code: J1005486-001

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.54	0.14	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1221	ND	U	0.54	0.24	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1232	ND	U	0.54	0.25	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1242	ND	U	0.54	0.13	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1248	ND	U	0.54	0.28	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1254	ND	U	0.54	0.40	1	11/12/10	11/22/10	JWG1004037	
Aroclor 1260	ND	U	0.54	0.19	1	11/12/10	11/22/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	7	24-120	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/2010
Date Received: 11/12/2010

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: L-6
Lab Code: J1005486-003

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.6	1.5	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1221	ND	U	5.6	2.5	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1232	ND	U	5.6	2.6	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1242	ND	U	5.6	1.4	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1248	ND	U	5.6	2.9	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1254	ND	U	5.6	4.2	10	11/12/10	11/22/10	JWG1004037	
Aroclor 1260	ND	U	5.6	1.9	10	11/12/10	11/22/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	10	24-120	11/22/10	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Sample Name: Method Blank
Lab Code: JWG1004037-4

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.13	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1221	ND	U	0.50	0.22	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1232	ND	U	0.50	0.23	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1242	ND	U	0.50	0.12	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1248	ND	U	0.50	0.26	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1254	ND	U	0.50	0.37	1	11/12/10	11/18/10	JWG1004037	
Aroclor 1260	ND	U	0.50	0.17	1	11/12/10	11/18/10	JWG1004037	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	58	24-120	11/18/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/10 0645
Sample Matrix:	Water	**Date Received:**	11/12/10
Sample Name:	L-3		
Lab Code:	J1005486-001	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	**23**		µg/L	10	1	5	11/18/10	11/23/10 22:33	
Arsenic, Total Recoverable	6020	**43.5**		µg/L	2.5	2.0	5	11/18/10	11/23/10 22:33	
Barium, Total Recoverable	6020	**332**		µg/L	10	2	5	11/18/10	11/23/10 22:33	
Beryllium, Total Recoverable	6020	**1.3**	I	µg/L	5.0	1.0	5	11/18/10	11/23/10 22:33	
Cadmium, Total Recoverable	6020	**1.7**	I	µg/L	2.5	1.5	5	11/18/10	11/23/10 22:33	
Chromium, Total Recoverable	6020	**363**		µg/L	10	2	5	11/18/10	11/23/10 22:33	
Cobalt, Total Recoverable	6020	**33.0**		µg/L	5.0	0.4	5	11/18/10	11/23/10 22:33	
Copper, Total Recoverable	6020	**13**		µg/L	10	5	5	11/18/10	11/23/10 22:33	
Iron, Total Recoverable	6010B	**4550**		µg/L	100	10	1	11/15/10	11/16/10 14:16	
Lead, Total Recoverable	6020	**11.9**		µg/L	5.0	0.3	5	11/18/10	11/23/10 22:33	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:44	
Nickel, Total Recoverable	6020	**250**		µg/L	10	1	5	11/18/10	11/23/10 22:33	
Selenium, Total Recoverable	6020	**83**		µg/L	25	5	5	11/18/10	11/23/10 22:33	
Silver, Total Recoverable	6020	ND	U	µg/L	2.5	0.4	5	11/18/10	11/23/10 22:33	
Sodium, Total Recoverable	6010B	**1880**		mg/L	10	1	20	11/15/10	11/17/10 12:57	
Thallium, Total Recoverable	6020	ND	U	µg/L	5.0	0.2	5	11/18/10	11/23/10 22:33	
Tin, Total Recoverable	6020	**8**	I	µg/L	25	2	5	11/18/10	11/23/10 22:33	
Vanadium, Total Recoverable	6020	**606**		µg/L	25	3	5	11/18/10	11/23/10 22:33	
Zinc, Total Recoverable	6020	**67**		µg/L	50	10	5	11/18/10	11/23/10 22:33	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/10 0800
Date Received: 11/12/10

Sample Name: L-6
Lab Code: J1005486-003

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	**22**		µg/L	10	1	5	11/18/10	11/23/10 22:38	
Arsenic, Total Recoverable	6020	**73.0**		µg/L	2.5	2.0	5	11/18/10	11/23/10 22:38	
Barium, Total Recoverable	6020	**430**		µg/L	10	2	5	11/18/10	11/23/10 22:38	
Beryllium, Total Recoverable	6020	**1.6**	I	µg/L	5.0	1.0	5	11/18/10	11/23/10 22:38	
Cadmium, Total Recoverable	6020	**4.3**		µg/L	2.5	1.5	5	11/18/10	11/23/10 22:38	
Chromium, Total Recoverable	6020	**467**		µg/L	10	2	5	11/18/10	11/23/10 22:38	
Cobalt, Total Recoverable	6020	**29.2**		µg/L	5.0	0.4	5	11/18/10	11/23/10 22:38	
Copper, Total Recoverable	6020	**30**		µg/L	10	5	5	11/18/10	11/23/10 22:38	
Iron, Total Recoverable	6010B	**3030**		µg/L	100	10	1	11/15/10	11/16/10 14:24	
Lead, Total Recoverable	6020	**26.9**		µg/L	5.0	0.3	5	11/18/10	11/23/10 22:38	
Mercury, Total	7470A	ND	U	µg/L	1.0	0.4	1	11/22/10	11/22/10 15:46	
Nickel, Total Recoverable	6020	**298**		µg/L	10	1	5	11/18/10	11/23/10 22:38	
Selenium, Total Recoverable	6020	**140**		µg/L	25	5	5	11/18/10	11/23/10 22:38	
Silver, Total Recoverable	6020	ND	U	µg/L	2.5	0.4	5	11/18/10	11/23/10 22:38	
Sodium, Total Recoverable	6010B	**1610**		mg/L	10	1	20	11/15/10	11/17/10 12:59	
Thallium, Total Recoverable	6020	ND	U	µg/L	5.0	0.2	5	11/18/10	11/23/10 22:38	
Tin, Total Recoverable	6020	**8**	I	µg/L	25	2	5	11/18/10	11/23/10 22:38	
Vanadium, Total Recoverable	6020	**807**		µg/L	25	3	5	11/18/10	11/23/10 22:38	
Zinc, Total Recoverable	6020	**73**		µg/L	50	10	5	11/18/10	11/23/10 22:38	

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005486-MB	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Antimony, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/18/10	11/23/10 21:33	
Arsenic, Total Recoverable	6020	ND	U	µg/L	0.50	0.40	1	11/18/10	11/23/10 21:33	
Barium, Total Recoverable	6020	**0.6**	I	µg/L	2.0	0.3	1	11/18/10	11/23/10 21:33	
Beryllium, Total Recoverable	6020	ND	U	µg/L	1.0	0.2	1	11/18/10	11/23/10 21:33	
Cadmium, Total Recoverable	6020	ND	U	µg/L	0.50	0.30	1	11/18/10	11/23/10 21:33	
Chromium, Total Recoverable	6020	ND	U	µg/L	2.0	0.3	1	11/18/10	11/23/10 21:33	
Cobalt, Total Recoverable	6020	ND	U	µg/L	1.0	0.08	1	11/18/10	11/23/10 21:33	
Copper, Total Recoverable	6020	ND	U	µg/L	2.0	1.0	1	11/18/10	11/23/10 21:33	
Iron, Total Recoverable	6010B	ND	U	µg/L	100	4	1	11/15/10	11/16/10 12:14	
Lead, Total Recoverable	6020	ND	U	µg/L	1.0	0.06	1	11/18/10	11/23/10 21:33	
Mercury, Total	7470A	ND	U	µg/L	0.20	0.08	1	11/22/10	11/22/10 15:28	
Nickel, Total Recoverable	6020	ND	U	µg/L	2.0	0.2	1	11/18/10	11/23/10 21:33	
Selenium, Total Recoverable	6020	ND	U	µg/L	5.0	1.0	1	11/18/10	11/23/10 21:33	
Silver, Total Recoverable	6020	ND	U	µg/L	0.50	0.07	1	11/18/10	11/23/10 21:33	
Sodium, Total Recoverable	6010B	ND	U	mg/L	0.50	0.02	1	11/15/10	11/16/10 12:12	
Thallium, Total Recoverable	6020	ND	U	µg/L	1.0	0.03	1	11/18/10	11/23/10 21:33	
Tin, Total Recoverable	6020	ND	U	µg/L	5.0	0.3	1	11/18/10	11/23/10 21:33	
Vanadium, Total Recoverable	6020	ND	U	µg/L	5.0	0.5	1	11/18/10	11/23/10 21:33	
Zinc, Total Recoverable	6020	ND	U	µg/L	10	2	1	11/18/10	11/23/10 21:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	11/11/10 0645
Sample Matrix:	Water	**Date Received:**	11/12/10
Sample Name:	L-3		
Lab Code:	J1005486-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**798**		mg/L	2.0	0.8	200	NA	11/15/10 14:45	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**133**		mg/L	2.0	2.0	1	NA	11/12/10 14:00	
Chemical Oxygen Demand, Total	SM21 5220 D	**8350**		mg/L	200	20	10	NA	11/18/10 16:09	
Chloride	300.0	**3180**		mg/L	50	9	100	NA	11/12/10 19:54	
Cyanide, Total	335.4	**33**		µg/L	10	3	1	11/16/10	11/16/10 15:45	
Nitrate as Nitrogen	300.0	ND	U	mg/L	2.0	0.8	10	NA	11/12/10 18:55	
Solids, Total Dissolved	SM 2540 C	**11600**		mg/L	200	200	20	NA	11/15/10 14:37	
Sulfide, Total	SM 4500-S2- F	**18**	I	mg/L	40	8	20	NA	11/15/10 15:00	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Collected: 11/11/10 0800
Date Received: 11/12/10

Sample Name: L-6
Lab Code: J1005486-003

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	**904**		mg/L	2.0	0.8	200	NA	11/15/10 14:48	
Biochemical Oxygen Demand (BOD)	SM 5210 B	**119**		mg/L	2.0	2.0	1	NA	11/12/10 14:00	
Chemical Oxygen Demand, Total	SM21 5220 D	**6430**		mg/L	200	20	10	NA	11/18/10 16:07	
Chloride	300.0	**2740**		mg/L	50	9	100	NA	11/12/10 20:09	
Cyanide, Total	335.4	**25**		µg/L	10	3	1	11/16/10	11/16/10 15:46	
Nitrate as Nitrogen	300.0	ND	U	mg/L	2.0	0.8	10	NA	11/12/10 19:09	
Solids, Total Dissolved	SM 2540 C	**11200**		mg/L	200	200	20	NA	11/15/10 14:37	
Sulfide, Total	SM 4500-S2- F	**8**	I	mg/L	40	8	20	NA	11/15/10 15:00	

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	J1005486-MB	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Ammonia as Nitrogen	350.1	ND	U	mg/L	0.010	0.004	1	NA	11/15/10 14:14	
Biochemical Oxygen Demand (BOD)	SM 5210 B	ND	U	mg/L	2.0	2.0	1	NA	11/12/10 08:50	
Chemical Oxygen Demand, Total	SM21 5220 D	ND	U	mg/L	20	2	1	NA	11/18/10 16:02	
Chloride	300.0	ND	U	mg/L	0.50	0.09	1	NA	11/12/10 15:10	
Cyanide, Total	335.4	ND	U	µg/L	10	3	1	11/16/10	11/16/10 15:36	
Nitrate as Nitrogen	300.0	ND	U	mg/L	0.20	0.07	1	NA	11/12/10 15:10	
Solids, Total Dissolved	SM 2540 C	ND	U	mg/L	10	10	1	NA	11/15/10 14:37	
Sulfide, Total	SM 4500-S2- F	ND	U	mg/L	2.0	0.4	1	NA	11/15/10 15:00	

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
L-3	J1005486-001	92	106	97	108
Trip Blank 1	J1005486-002	92	101	94	104
L-6	J1005486-003	94	99	97	105
Trip Blank 2	J1005486-004	89	97	95	104
10315-JED-UL	J1005486-005	91	100	93	104
10315-JED-TL	J1005486-006	100	97	97	103
Method Blank	JQ1005766-02	89	98	95	107
Lab Control Sample	JQ1005766-01	87	103	92	103

Surrogate Recovery Control Limits (%)

Sur1	= 1,2-Dichloroethane-d4	71 - 122
Sur2	= 4-Bromofluorobenzene	75 - 120
Sur3	= Dibromofluoromethane	82 - 116
Sur4	= Toluene-d8	88 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/22/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226413

Analyte Name	Lab Control Sample JQ1005766-01 Result	Spike Amount	% Rec		% Rec Limits
1,1,1,2-Tetrachloroethane	19.5	20.0	97		85 - 117
1,1,1-Trichloroethane (TCA)	20.8	20.0	104		79 - 124
1,1,2,2-Tetrachloroethane	16.8	20.0	84		83 - 120
1,1,2-Trichloroethane	17.3	20.0	87		86 - 114
1,1-Dichloroethane (1,1-DCA)	20.0	20.0	100		80 - 128
1,1-Dichloroethene (1,1-DCE)	21.0	20.0	105		78 - 130
1,1-Dichloropropene	19.7	20.0	99		85 - 124
1,2,3-Trichloropropane	15.4	20.0	77	*	83 - 123
1,2,4-Trichlorobenzene	18.3	20.0	92		72 - 123
1,2-Dibromo-3-chloropropane (DBCP)	16.0	20.0	80		62 - 123
1,2-Dibromoethane (EDB)	17.0	20.0	85	*	88 - 117
1,2-Dichlorobenzene	18.6	20.0	93		84 - 115
1,2-Dichloroethane	17.9	20.0	90		80 - 124
1,2-Dichloropropane	18.5	20.0	92		79 - 123
1,3-Dichlorobenzene	20.6	20.0	103		83 - 112
1,3-Dichloropropane	17.1	20.0	86	*	88 - 117
1,4-Dichlorobenzene	19.5	20.0	97		83 - 113
2,2-Dichloropropane	21.3	20.0	107		72 - 136
2-Butanone (MEK)	81.1	100	81		73 - 127
2-Hexanone	80.7	100	81		71 - 138
4-Methyl-2-pentanone (MIBK)	81.0	100	81		72 - 136
Acetone	78.3	100	78		67 - 133
Acetonitrile	66.7	100	67		67 - 132
Acrolein	76.1	100	76		61 - 137
Acrylonitrile	82.1	100	82		77 - 127
Allyl Chloride	19.9	20.0	100		68 - 128
Benzene	19.7	20.0	99		79 - 119
Bromochloromethane	17.0	20.0	85		79 - 129
Bromodichloromethane	18.3	20.0	91		81 - 123
Bromoform	17.4	20.0	87		68 - 129
Bromomethane	20.7	20.0	103		79 - 130
Carbon Disulfide	103	100	103		76 - 138

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/22/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226413

Lab Control Sample
JQ1005766-01

Analyte Name	Result	Spike Amount	% Rec		% Rec Limits
Carbon Tetrachloride	20.6	20.0	103		81 - 125
Chlorobenzene	20.1	20.0	101		86 - 113
Chloroethane	21.7	20.0	108		74 - 126
Chloroform	19.7	20.0	98		83 - 124
Chloromethane	21.1	20.0	106		67 - 135
Chloroprene	20.7	20.0	104		81 - 132
cis-1,2-Dichloroethene	19.3	20.0	97		80 - 126
cis-1,3-Dichloropropene	18.2	20.0	91		86 - 123
Dibromochloromethane	17.4	20.0	87		82 - 121
Dibromomethane	16.6	20.0	83		83 - 123
Dichlorodifluoromethane	22.0	20.0	110		69 - 138
Ethyl Methacrylate	16.8	20.0	84		78 - 127
Ethylbenzene	21.3	20.0	106		90 - 118
Hexachlorobutadiene	22.8	20.0	114		73 - 140
Iodomethane	102	100	102		68 - 134
Isobutyl Alcohol	277	400	69		62 - 139
m,p-Xylenes	42.2	40.0	105		86 - 121
Methacrylonitrile	15.6	20.0	78		77 - 129
Methyl Methacrylate	16.6	20.0	83		79 - 128
Methylene Chloride	18.1	20.0	90		72 - 124
Naphthalene	15.7	20.0	78		59 - 135
o-Xylene	21.1	20.0	105		89 - 119
Propionitrile	74.9	100	75	*	77 - 131
Styrene	19.0	20.0	95		89 - 122
Tetrachloroethene (PCE)	20.3	20.0	102		80 - 121
Toluene	20.9	20.0	105		86 - 117
trans-1,2-Dichloroethene	20.6	20.0	103		77 - 124
trans-1,3-Dichloropropene	17.7	20.0	88		83 - 124
trans-1,4-Dichloro-2-butene	9.39	20.0	47	*	53 - 143
Trichloroethene (TCE)	19.3	20.0	97		76 - 124
Trichlorofluoromethane	21.0	20.0	105		74 - 134
Vinyl Acetate	78.2	100	78		61 - 148

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/22/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 226413

Analyte Name	Lab Control Sample JQ1005766-01 Result	Spike Amount	% Rec	% Rec Limits
Vinyl Chloride	21.5	20.0	108	78 - 132

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

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

Client: Environmental Planning Specialists **Service Request:** J1005486
Project: JED SWDF
Sample Matrix: Water

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 3510C **Units:** PERCENT
Analysis Method: 8270C **Level:** Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
L-3	J1005486-001	84 D	58 D	42 D	85 D	48 D	34 D
L-6	J1005486-003	96 D	61 D	45 D	86 D	61 D *	60 D
10315-JED-UL	J1005486-005	93 D	54 D	41 D	75 D	46 D	39 D
10315-JED-TL	J1005486-006	0 D *	50 D	0 D *	50 D	0 D *	40 D
Method Blank	JWG1004049-4	92	75	61	85	53 *	93
L-3MS	JWG1004049-1	81 D	56 D	50 D	65 D	52 D *	58 D
L-3DMS	JWG1004049-2	94 D	63 D	52 D	75 D	62 D *	62 D
Lab Control Sample	JWG1004049-3	86	57	52	68	44	83

Surrogate Recovery Control Limits (%)

Sur1 = 2,4,6-Tribromophenol	30-143	Sur5 = Phenol-d6	10-51
Sur2 = 2-Fluorobiphenyl	30-102	Sur6 = Terphenyl-d14	23-165
Sur3 = 2-Fluorophenol	10-77		
Sur4 = Nitrobenzene-d5	32-106		

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Extracted:**	11/15/2010
Sample Matrix:	Water	**Date Analyzed:**	11/30/2010

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	JWG1004049

Analyte Name	Sample Result	L-3MS JWG1004049-1 Matrix Spike			L-3DMS JWG1004049-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,2,4-Trichlorobenzene	ND	76.8	114	68	83.6	114	74	32-123	8	30
1,2-Dichlorobenzene	ND	60.0	114	53	68.9	114	61	32-123	14	30
1,3-Dichlorobenzene	ND	62.0	114	55	73.0	114	64	30-119	16	30
1,4-Dichlorobenzene	ND	64.8	114	57	84.5	114	74	31-119	26	30
2,3,4,6-Tetrachlorophenol	ND	86.1	114	76	98.4	114	87	50-150	13	30
2,4,5-Trichlorophenol	ND	81.4	114	72	96.8	114	85	18-135	17	30
2,4,6-Trichlorophenol	ND	83.2	114	73	89.8	114	79	10-141	8	30
2,4-Dichlorophenol	ND	77.3	114	68	80.0	114	70	21-122	3	30
2,4-Dimethylphenol	ND	79.5	114	70	96.8	114	85	35-88	20	30
2,4-Dinitrophenol	ND	221	114	194 *	200	114	176 *	10-150	10	30
2,4-Dinitrotoluene	ND	79.8	114	70	94.1	114	83	48-126	16	30
2,6-Dinitrotoluene	ND	93.0	114	82	97.3	114	86	43-125	5	30
2-Chloronaphthalene	ND	78.0	114	69	83.6	114	74	49-100	7	30
2-Chlorophenol	ND	60.9	114	54	78.6	114	69	19-113	25	30
2-Methyl-4,6-dinitrophenol	ND	118	114	104	113	114	99	10-141	4	30
2-Methylnaphthalene	ND	86.4	114	76	84.5	114	74	48-91	2	30
2-Methylphenol	ND	79.8	114	70	86.6	114	76	32-96	8	30
2-Nitroaniline	ND	95.5	114	84	100	114	88	26-107	5	30
2-Nitrophenol	ND	83.4	114	73	85.7	114	75	16-133	3	30
3-Nitroaniline	ND	67.5	114	59	85.2	114	75	23-84	23	30
4-Bromophenyl Phenyl Ether	ND	88.6	114	78	101	114	89	62-122	13	30
4-Chloro-3-methylphenol	ND	111	114	98	119	114	105	28-115	7	30
4-Chloroaniline	ND	47.3	114	42	65.5	114	58	10-94	32 *	30
4-Chlorophenyl Phenyl Ether	ND	81.8	114	72	95.2	114	84	56-103	15	30
4-Methylphenol	97	173	114	67	202	114	92	12-106	15	30
4-Nitroaniline	ND	60.2	114	53	70.5	114	62	14-119	16	30
4-Nitrophenol	ND	88.6	114	78	98.2	114	86	10-101	10	30
Acenaphthene	ND	73.9	114	65	78.6	114	69	48-96	6	30
Acenaphthylene	ND	75.5	114	66	84.3	114	74	46-95	11	30
Anthracene	ND	74.1	114	65	93.9	114	83	50-101	24	30
Benz(a)anthracene	ND	89.5	114	79	86.6	114	76	40-104	3	30
Benzo(a)pyrene	ND	75.0	114	66	92.7	114	82	48-100	21	30
Benzo(b)fluoranthene	ND	76.6	114	67	81.6	114	72	54-105	6	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.

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Extracted:**	11/15/2010
Sample Matrix:	Water	**Date Analyzed:**	11/30/2010

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	L-3	**Units:**	ug/L
Lab Code:	J1005486-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	JWG1004049

Analyte Name	Sample Result	L-3MS JWG1004049-1 Matrix Spike Result	Expected	%Rec		L-3DMS JWG1004049-2 Duplicate Matrix Spike Result	Expected	%Rec		%Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	ND	83.0	114	73		95.0	114	84		51-114	14	30
Benzo(k)fluoranthene	ND	76.4	114	67		91.6	114	81		50-101	18	30
Benzyl alcohol	ND	74.8	114	66		91.4	114	80		39-96	20	30
bis(2-Chloroethoxy)methane	ND	106	114	93	*	121	114	107	*	48-90	14	30
Bis(2-chloroethyl) Ether	ND	64.8	114	57		82.3	114	72		45-90	24	30
Bis(2-chloroisopropyl) Ether	ND	50.7	114	45	*	56.6	114	50		46-83	11	30
Bis(2-ethylhexyl) Phthalate	ND	74.5	114	66		81.6	114	72		49-114	9	30
Butyl Benzyl Phthalate	ND	84.3	114	74		87.0	114	77		51-111	3	30
Chrysene	ND	82.3	114	72		91.1	114	80		47-105	10	30
Di-n-butyl Phthalate	ND	78.2	114	69		83.0	114	73		61-109	6	30
Di-n-octyl Phthalate	ND	73.0	114	64		83.4	114	73		43-119	13	30
Dibenz(a,h)anthracene	ND	82.5	114	73		88.9	114	78		44-124	7	30
Dibenzofuran	ND	72.3	114	64		86.6	114	76		49-101	18	30
Diethyl Phthalate	ND	84.8	114	75		90.2	114	79		59-103	6	30
Dimethyl Phthalate	ND	82.0	114	72		83.6	114	74		38-111	2	30
Fluoranthene	ND	83.0	114	73		102	114	89		48-103	20	30
Fluorene	ND	71.1	114	63		89.1	114	78		54-95	22	30
Hexachlorobenzene	ND	76.6	114	67		91.8	114	81		56-110	18	30
Hexachlorobutadiene	ND	93.4	114	82		83.2	114	73		35-95	12	30
Hexachlorocyclopentadiene	ND	95.9	114	84		104	114	91		23-112	8	30
Hexachloroethane	ND	59.3	114	52		82.5	114	73		33-99	33	* 30
Indeno(1,2,3-cd)pyrene	ND	79.5	114	70		83.9	114	74		50-115	5	30
Isophorone	ND	92.7	114	82		105	114	93		47-97	13	30
N-Nitrosodi-n-propylamine	ND	88.9	114	78		109	114	96	*	47-89	20	30
N-Nitrosodimethylamine	ND	58.2	114	51		61.1	114	54		27-66	5	30
N-Nitrosodiphenylamine	ND	81.4	114	72		92.5	114	81		30-118	13	30
Naphthalene	ND	83.6	114	74		95.2	114	84		41-93	13	30
Nitrobenzene	ND	84.1	114	74		89.1	114	78		35-109	6	30
Pentachlorophenol	ND	190	114	167	*	212	114	187	*	18-141	11	30
Phenanthrene	ND	76.8	114	68		93.9	114	83		49-95	20	30
Phenol	7.5	72.3	114	57		83.6	114	67		10-70	15	30
Pyrene	ND	78.2	114	69		89.3	114	79		49-103	13	30

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

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Extracted:**	11/15/2010
Sample Matrix:	Water	**Date Analyzed:**	11/23/2010

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG1004049

	Lab Control Sample JWG1004049-3 Lab Control Spike				%Rec
Analyte Name	**Result**	**Expected**	**%Rec**		**Limits**
1,2,4-Trichlorobenzene	37.5	50.0	75		50-120
1,2-Dichlorobenzene	34.1	50.0	68		32-123
1,3-Dichlorobenzene	35.1	50.0	70		30-119
1,4-Dichlorobenzene	36.2	50.0	72		31-119
2,3,4,6-Tetrachlorophenol	42.6	50.0	85		50-150
2,4,5-Trichlorophenol	41.8	50.0	84		47-113
2,4,6-Trichlorophenol	40.9	50.0	82		41-115
2,4-Dichlorophenol	40.2	50.0	80		36-117
2,4-Dimethylphenol	30.1	50.0	60		38-110
2,4-Dinitrophenol	35.7	50.0	71		27-128
2,4-Dinitrotoluene	46.3	50.0	93		54-121
2,6-Dinitrotoluene	43.4	50.0	87		55-121
2-Chloronaphthalene	40.1	50.0	80		47-106
2-Chlorophenol	37.3	50.0	75		35-101
2-Methyl-4,6-dinitrophenol	41.2	50.0	82		46-117
2-Methylnaphthalene	38.7	50.0	77		46-110
2-Methylphenol	37.2	50.0	74		21-100
2-Nitroaniline	44.4	50.0	89		33-94
2-Nitrophenol	38.5	50.0	77		40-120
3-Nitroaniline	38.1	50.0	76		25-91
4-Bromophenyl Phenyl Ether	46.8	50.0	94		63-123
4-Chloro-3-methylphenol	43.1	50.0	86		36-117
4-Chloroaniline	6.84	50.0	14	*	39-110
4-Chlorophenyl Phenyl Ether	44.5	50.0	89		53-108
4-Methylphenol	35.1	50.0	70		15-95
4-Nitroaniline	44.2	50.0	88		44-102
4-Nitrophenol	23.9	50.0	48		10-86
Acenaphthene	40.8	50.0	82		42-106
Acenaphthylene	41.1	50.0	82		45-99
Anthracene	47.4	50.0	95		50-104
Benz(a)anthracene	47.9	50.0	96		42-114
Benzo(a)pyrene	50.9	50.0	102		46-110
Benzo(b)fluoranthene	48.2	50.0	96		56-110
Benzo(g,h,i)perylene	53.7	50.0	107		53-116
Benzo(k)fluoranthene	49.6	50.0	99		48-110

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Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Extracted:**	11/15/2010
Sample Matrix:	Water	**Date Analyzed:**	11/23/2010

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG1004049

	Lab Control Sample JWG1004049-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Benzyl alcohol	32.9	50.0	66	32-110
bis(2-Chloroethoxy)methane	38.2	50.0	76	47-100
Bis(2-chloroethyl) Ether	38.0	50.0	76	41-99
Bis(2-chloroisopropyl) Ether	43.3	50.0	87	31-94
Bis(2-ethylhexyl) Phthalate	49.2	50.0	98	41-127
Butyl Benzyl Phthalate	48.1	50.0	96	40-117
Chrysene	47.1	50.0	94	50-113
Di-n-butyl Phthalate	47.0	50.0	94	57-118
Di-n-octyl Phthalate	53.3	50.0	107	35-139
Dibenz(a,h)anthracene	51.3	50.0	103	51-125
Dibenzofuran	43.2	50.0	86	49-103
Diethyl Phthalate	46.8	50.0	94	56-108
Dimethyl Phthalate	44.1	50.0	88	32-119
Fluoranthene	49.1	50.0	98	48-110
Fluorene	44.0	50.0	88	54-97
Hexachlorobenzene	48.1	50.0	96	55-110
Hexachlorobutadiene	38.5	50.0	77	20-110
Hexachlorocyclopentadiene	39.5	50.0	79	23-115
Hexachloroethane	34.9	50.0	70	19-113
Indeno(1,2,3-cd)pyrene	51.6	50.0	103	54-115
Isophorone	42.3	50.0	85	46-106
N-Nitrosodi-n-propylamine	41.5	50.0	83	43-103
N-Nitrosodimethylamine	20.4	50.0	41	27-66
N-Nitrosodiphenylamine	42.4	50.0	85	30-122
Naphthalene	36.9	50.0	74	40-97
Nitrobenzene	39.0	50.0	78	36-116
Pentachlorophenol	45.7	50.0	91	35-120
Phenanthrene	48.5	50.0	97	49-110
Phenol	24.6	50.0	49	12-54
Pyrene	47.3	50.0	95	35-110

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486

Surrogate Recovery Summary
Organochlorine Pesticides by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8081A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
L-3	J1005486-001	25 *	7 *
L-6	J1005486-003	28 D #	10 D #
10315-JED-UL	J1005486-005	18 D #	8 D #
10315-JED-TL	J1005486-006	25 *	9 *
Method Blank	JWG1004036-2	53	58
Lab Control Sample	JWG1004036-1	56	58

Surrogate Recovery Control Limits (%)

Sur1	= Tetrachloro-m-xylene	32-92
Sur2	= Decachlorobiphenyl	13-104

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Extracted: 11/12/2010
Date Analyzed: 11/22/2010

Lab Control Spike Summary
Organochlorine Pesticides by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8081A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG1004036

Analyte Name	Lab Control Sample JWG1004036-1 Lab Control Spike Result	Expected	%Rec		%Rec Limits
alpha-BHC	0.234	0.400	59		56-104
gamma-BHC (Lindane)	0.222	0.400	56	*	57-101
beta-BHC	0.236	0.400	59		55-97
delta-BHC	0.261	0.400	65		31-105
Heptachlor	0.252	0.400	63		52-100
Aldrin	0.245	0.400	61		45-108
Heptachlor Epoxide	0.260	0.400	65		59-103
gamma-Chlordane	0.260	0.400	65		53-107
alpha-Chlordane	0.256	0.400	64		54-104
4,4'-DDE	0.240	0.400	60		58-114
Endosulfan I	0.260	0.400	65		61-104
Dieldrin	0.246	0.400	62		57-111
Endrin	0.263	0.400	66		57-117
4,4'-DDD	0.233	0.400	58		56-116
Endosulfan II	0.237	0.400	59		50-106
4,4'-DDT	0.264	0.400	66		41-115
Endrin Aldehyde	0.142	0.400	36	*	51-108
Methoxychlor	0.251	0.400	63		43-123
Endosulfan Sulfate	0.232	0.400	58		56-107
Endrin Ketone	0.251	0.400	63		46-101

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	
L-3	J1005486-001	7	*
L-6	J1005486-003	10 D	#
10315-JED-UL	J1005486-005	8 D	#
10315-JED-TL	J1005486-006	9	*
Method Blank	JWG1004037-4	58	
Lab Control Sample	JWG1004037-3	56	

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl	24-120

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Extracted: 11/12/2010
Date Analyzed: 11/18/2010

Lab Control Spike Summary
Polychlorinated Biphenyls (PCB Aroclors) by GC-ECD

Extraction Method: EPA 3510C
Analysis Method: 8082

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG1004037

	Lab Control Sample JWG1004037-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	2.67	4.00	67	39-116
Aroclor 1260	2.34	4.00	58	41-118

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/16/10 - 11/23/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005486-LCS Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	54.5	50.0	109	80 - 120
Arsenic, Total Recoverable	6020	54.2	50.0	108	80 - 120
Barium, Total Recoverable	6020	54.0	50.0	108	80 - 120
Beryllium, Total Recoverable	6020	53.2	50.0	106	80 - 120
Cadmium, Total Recoverable	6020	52.4	50.0	105	80 - 120
Chromium, Total Recoverable	6020	51.2	50.0	102	80 - 120
Cobalt, Total Recoverable	6020	51.6	50.0	103	80 - 120
Copper, Total Recoverable	6020	51.6	50.0	103	80 - 120
Iron, Total Recoverable	6010B	2120	2000	106	80 - 120
Lead, Total Recoverable	6020	52.1	50.0	104	80 - 120
Mercury, Total	7470A	5.04	5.00	101	80 - 120
Nickel, Total Recoverable	6020	51.3	50.0	103	80 - 120
Selenium, Total Recoverable	6020	53.6	50.0	107	80 - 120
Silver, Total Recoverable	6020	52.1	50.0	104	80 - 120
Thallium, Total Recoverable	6020	51.3	50.0	103	80 - 120
Tin, Total Recoverable	6020	50.2	50.0	100	80 - 120
Vanadium, Total Recoverable	6020	52.6	50.0	105	80 - 120
Zinc, Total Recoverable	6020	107	100	107	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/16/10 - 11/23/10

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005486-LCS Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	10.1	10.0	101	80 - 120

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/12/10 - 11/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005486-LCS1 Result	Spike Amount	% Rec	Duplicate Lab Control Sample J1005486-DLCS1 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chloride	300.0	49.9	50.0	100	50.0	50.0	100	90 - 110	<1	20
Nitrate as Nitrogen	300.0	4.67	5.00	93	4.67	5.00	93	90 - 110	<1	20
Solids, Total Dissolved	SM 2540 C	278	300	93	292	300	97	85 - 115	5	20
Sulfide, Total	SM 4500-S2- F	18.3	20.0	92	18.6	20.0	93	85 - 115	2	20

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Planning Specialists
Project: JED SWDF
Sample Matrix: Water

Service Request: J1005486
Date Analyzed: 11/12/10 - 11/18/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample J1005486-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	1.00	1.00	100	90 - 110
Biochemical Oxygen Demand (BOD)	SM 5210 B	196	198	99	84.5 - 115.
Chemical Oxygen Demand, Total	SM21 5220 D	483	500	97	90 - 110
Solids, Total Dissolved	SM 2540 C	26.0	30	87	70 - 130

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Planning Specialists	**Service Request:**	J1005486
Project:	JED SWDF	**Date Analyzed:**	11/12/10 - 11/18/10
Sample Matrix:	Water		

Lab Control Sample Summary
General Chemistry Parameters

Units: µg/L
Basis: NA

		Lab Control Sample J1005486-LCS2			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Cyanide, Total	335.4	103	100	103	90 - 110

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

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™

Cooler Receipt Form

Client: EPS Service Request #: J1005486

Project: JED SWFD

Cooler received on 11-12-10 and opened on 11-12-10 by CKB

COURIER: CAS ~~UPS~~ FEDEX Client Other _____ Airbill #_____

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)	3.4°	3.9°	.4°	1.4°
5	Thermometer ID	11-12-10 CKB ~~3.9~~ T12	T12	T12	T12
6	Temperature Blank Present?	(Yes)	No		
7	Were Ice or Ice Packs present	~~Ice~~	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A	
9	Type of packing material present	~~Netting~~	Vial Holder	(Bubble Wrap)	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A	
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A	
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	Yes	No	N/A	
15	Were VOA vials checked for absence of air bubbles? If present, note below	Yes	No	N/A	
16	Where did the bottles originate?	CAS	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time
JED-UL/L-6	H_2SO_4	GEN-585-11E	1 ml	CKB 11-12-10 1016
All samples	HNO_3	MET-11-75G	3 ml	↓
L-6	$ZnAc_2$/NaOH	Smo 9A / Smo 1-8C	3 scoop/6 pellet	
UL	↓	↓	2 scoop/4 pellet	
TL	NaOH	Smo 1-8C	4 pellet	
~~L-3~~/L-6 (11-12-10 CKB)	↓	↓	6 pellet	
L-3			↓	
UL	↓	↓		↓

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

L-6 and UL NaOH samples did not preserve.

8260 samples (L-3, L-6, TL) not preserved.

Client approval to run samples if discrepancies noted: Date:

Columbia Analytical Services

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # : J 1005186 Date: 11-12-0 Initials: CAB

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Container	40mL G	40mL G	40mL G	125mL P	125mL P	125mL P	125mL P	250mL P	250mL P	250mL P	250mL P	250mL P	250mL G	250mL G	500mL P	500mL P	500mL P	500mL P	500mL G	1L P	1L P	1L G	1L G	1L G	2oz G	4oz G	8oz G	16oz G	100ml P	Ziplock P	Misc. Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-		-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	-	-				-	-		-	
-1	6	~~2~~	11-12	0		1				1	1	1			1							6										-1
-2		2	CAB																													-2
-3	6					1				1	1	1			1							6										-3
-4		2																														-4
-5	6					1				1	1	1								1		6										-5
-6	3	3				1				1	1	1								1		6										-6
-7																																-7
-8																																-8
-9																																-9
-10																																-10
-11																																-11
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-36																																-36
-37																																-37
-38																																-38
-39																																-39
-40																																-40

NOTE: VOA pH checks are performed by the analytical area, not sample control

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

www.caslab.com

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

SR # J1005486
CAS Contact

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wilt	Email Address: kwilt@eenplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-388-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and*

PRESERVATIVE: 0 0 3 2 4/5 4 0 0 0 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	Nit., COD	Metals	Sulfide	Cyanide	Cl, NO3, TDS, 1300	8270	8081	8082	8151				
L-3		11-11-10	0645	Leachate	17	X	X	X	X	X	X	X	X	X	X	X	X			
Trip Blnk		10-25-10	1215	DI H_2O	2	X														

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

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 1035-JED-L3

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
93					
Signature: Joe Terry	Signature: Charles Barringer	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Barringer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-11-10/1200	Date/Time: 11-12-10 0954	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

Columbia Analytical Services — CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR # J1005486

CAS Contact [redacted]

Project Name: JED SWDF	Project Number:
Project Manager: Kirk Wilke	Email Address: kwilke@enplanning.com
Company/Address: EPS	
1936 Bruce B Downs Blvd #328	
Wesley Chapel, FL 33543	
Phone #: 813-788-1026	FAX#:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and*

PRESERVATIVE: 0 0 3 2 4/5 4 0 0 0 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3, COD	Metals	Sulfide	Cyanide	NO_3, TDS, TSS	8270	8081	8082	8151				
L-6		11-11-10	0800	Leachate	17	X	X	X	X	X	X	X	X	X	X	X				
Trip Blank		10.25.10	1200	DI H_2O	2	X														

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

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 10315-JED-L6

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
1					
Signature: Joe Terry	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Charles Bourdyer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: EPS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-11-10/1200	Date/Time: 11-12-10 0954	Date/Time	Date/Time	Date/Time	Date/Time

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

JSCOC-06/20/08

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

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Monday, November 22, 2010

Columbia Analytical Svcs. (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for
Project Number: J1005486, Project Name/Desc: J1005486
ENCO Workorder: B005404

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, November 12, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

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

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

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

Sincerely,

Lindsay J Crawford For Chris Tompkins

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 16.

SAMPLE DETECTION SUMMARY

No positive results detected.

www.encolabs.com

ANALYTICAL RESULTS

Description: L-3
Matrix: Water
Project: J1005486

Lab Sample ID: B005404-01
Sampled: 11/11/10 06:45
Sampled By: Client

Received: 11/12/10 14:30
Work Order: B005404

Semivolatile Organic Compounds by GC

^ - *ENCO Jacksonville certified analyte [NELAC E82277]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/19/10 09:22	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/19/10 09:22	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.16*	*1*	*0.250*	*64 %*	*33-122*	*0K16005*	*EPA 8011*	*11/19/10 09:22*	*JSW*	

www.encolabs.com

Description: L-3
Matrix: Water
Project: J1005486

Lab Sample ID: B005404-01
Sampled: 11/11/10 06:45
Sampled By: Client

Received: 11/12/10 14:30
Work Order: B005404

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 18:45	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 18:45	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 18:45	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 18:45	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 18:45	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.6*	*1*	*2.00*	*128 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 18:45*	*RGG*	

www.encolabs.com

Description: L-6 | **Lab Sample ID:** B005404-02 | **Received:** 11/12/10 14:30
Matrix: Water | **Sampled:** 11/11/10 08:00 | **Work Order:** B005404
Project: J1005486 | **Sampled By:** Client

Semivolatile Organic Compounds by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/19/10 09:34	JSW	
1,2-Dibromoethane [106-93-4] ^	0.012	U	ug/L	1	0.012	0.020	0K16005	EPA 8011	11/19/10 09:34	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,1,1,2-Tetrachloroethane	*0.14*	*1*	*0.250*	*55 %*	*33-122*	*0K16005*	*EPA 8011*	*11/19/10 09:34*	*JSW*	

Description: L-6
Matrix: Water
Project: J1005486

Lab Sample ID: B005404-02
Sampled: 11/11/10 08:00
Sampled By: Client

Received: 11/12/10 14:30
Work Order: B005404

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	0K15001	EPA 8151A	11/16/10 19:09	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	0K15001	EPA 8151A	11/16/10 19:09	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	0K15001	EPA 8151A	11/16/10 19:09	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	0K15001	EPA 8151A	11/16/10 19:09	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	0K15001	EPA 8151A	11/16/10 19:09	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*119 %*	*68-139*	*0K15001*	*EPA 8151A*	*11/16/10 19:09*	*RGG*	

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 0K16005 - EPA 8011

Blank (0K16005-BLK1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.012	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane	*0.30*			*ug/L*	*0.250*		*121*	*33-122*			

LCS (0K16005-BS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 10:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250		100	60-140			
1,2-Dibromoethane	0.24		0.020	ug/L	0.250		94	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.29*			*ug/L*	*0.250*		*115*	*33-122*			

Matrix Spike (0K16005-MS1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:29

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.20		0.020	ug/L	0.250	0.012 U	82	60-140			
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane	*0.12*			*ug/L*	*0.250*		*50*	*33-122*			

Matrix Spike Dup (0K16005-MSD1) Prepared: 11/16/2010 12:44 Analyzed: 11/18/2010 11:41

Source: B005394-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	87	60-140	6	20	
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	99	60-140	0.6	20	
Surrogate: 1,1,1,2-Tetrachloroethane	*0.15*			*ug/L*	*0.250*		*62*	*33-122*			

Batch 0K17013 - EPA 8011

Blank (0K17013-BLK1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.012	U	0.020	ug/L							
1,2-Dibromoethane	0.012	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.21*			*ug/L*	*0.250*		*84*	*33-122*			

LCS (0K17013-BS1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.25		0.020	ug/L	0.250		101	60-140			
1,2-Dibromoethane	0.24		0.020	ug/L	0.250		97	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.22*			*ug/L*	*0.250*		*86*	*33-122*			

Matrix Spike (0K17013-MS1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:53

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 0K17013 - EPA 8011

Matrix Spike (0K17013-MS1) Continued Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 11:53

Source: B005424-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.22		0.020	ug/L	0.250	0.012 U	89	60-140			
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	102	60-140			
Surrogate: 1,1,1,2-Tetrachloroethane [2C]	*0.21*			*ug/L*	*0.250*		*86*	*33-122*			

Matrix Spike Dup (0K17013-MSD1) Prepared: 11/17/2010 10:25 Analyzed: 11/18/2010 12:05

Source: B005424-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.23		0.020	ug/L	0.250	0.012 U	93	60-140	5	20	
1,2-Dibromoethane	0.25		0.020	ug/L	0.250	0.012 U	100	60-140	2	20	
Surrogate: 1,1,1,2-Tetrachloroethane	*0.30*			*ug/L*	*0.250*		*120*	*33-122*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0K15001 - EPA 3510C

Blank (0K15001-BLK1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 15:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*93*	*68-139*			

LCS (0K15001-BS1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 15:54

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		102	68-154			
2,4-D	2.4		0.50	ug/L	2.00		120	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*97*	*68-139*			

Matrix Spike (0K15001-MS1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 16:18

Source: A006216-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.56		0.50	ug/L	2.00	0.056 U	28	68-154			QM-07
2,4-D	1.5		0.50	ug/L	2.00	0.091 U	75	62-144			
Surrogate: 2,4-DCAA	*1.1*			*ug/L*	*2.00*		*57*	*68-139*			*QS-03*

Matrix Spike Dup (0K15001-MSD1) Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 16:43

Source: A006216-02

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0K15001 - EPA 3510C

Matrix Spike Dup (0K15001-MSD1) Continued Prepared: 11/15/2010 09:00 Analyzed: 11/16/2010 16:43

Source: A006216-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.4		0.50	ug/L	2.00	0.056 U	68	68-154	84	15	QM-11
2,4-D	2.2		0.50	ug/L	2.00	0.091 U	111	62-144	39	33	QM-11
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*78*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value. The associated sample note or project narrative indicate the causative reason.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-03	Surrogate recovery outside acceptance limits

Columbia Analytical Services, Inc. Chain of Custody

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

CAS Contact: Craig Myers

Project Number: J1005486
Project Manager: Craig Myers

B005404

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	HERB 8151A	MISC_OUT_1 - None 8011
J1005486-001	L-3	5	Water	11/11/10	0645	ENCO	X	X
J1005486-003	L-6	↓	Water	11/11/10	0800	ENCO	↓	↓
J1005486-005	10315-JED-UL	↓	Water	11/11/10	0945	ENCO	↓	↓
J1005486-006	10315-JED-TL	↓	Water	11/11/10	1045	ENCO	↓	↓

Client Cooler @ 2.0°C

Test Comments

HERB - 8151A	J1005486-001,3,5,6	Report Appendix II List
MISC_OUT_1 - None	J1005486-001,3,5,6	EDB and DBCP by EPA Method 8011

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
PLEASE SEND RESULTS TO MANDY SULLIVAN	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ✓ STANDARD Requested FAX Date: ___ Requested Report Date: 11/29/10	___ I. Results Only ✓ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J: Y EDD: Y	PO# J1005486 Bill to

Relinquished By: [signature] 11/12/10 Received By: C. Tooge 11/12/10 14:30 Airbill Number: ___