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SCS ENGINEERS

October 15, 2009
File No. 09208040.02

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Subject: Citrus County Central Landfill
Quarterly and Annual Leachate Sampling – Third Quarter and Annual 2009
Permit No. 21375-008-SO/01

Dear Mr. Morris:

SCS Engineers (SCS) is providing the Third Quarter and Annual Leachate monitoring results on behalf of the Citrus County Solid Waste Management Division (County) for the Central Landfill located in Citrus County, Florida (the site). This report provides copies of the final laboratory reports, field forms, and a CD containing an electronic copy of this report and the electronic data deliverable (EDD) in the "ADaPT" format provided by TestAmerica Laboratories Inc., (TestAmerica).

The leachate influent samples were analyzed in compliance with the permit for the annual parameters listed in Specific Condition Part E.9.a.1 of the permit. The leachate sludge sample was analyzed in compliance with the permit for the annual parameters listed in Specifc Condition Part E.9.c. The leachate effluent sample was analyzed in compliance with the permit for the quarterly parameters listed in Specific Condition Part E.9.b.2 (quarterly and annual) and E.9.b.3 (permit renewal) of the permit. The resulting data from the quarterly and annual sampling event are included in Attachment 1 and Tables 1 through 5, Attachment 3. Due to detections of trihalomethanes (THMs) outside the range of historic data in the effluent sample, a resample event was conducted on September 9, 2009 in order to verify the concentrations (resample data indicate that the concentrations were not verified). These concentrations are similar to historic concentrations (Table 1, Attachment 3). With the exception of sodium, chloride, and total dissolved solids (TDS), the leachate effluent sample complied with the groundwater standards and minimum criteria referenced in Florida Administrative Code (FAC) Chapters 62-520.420 and 62-520.400, respectively. As per Specific Condition Part E.9.b, sodium, chloride, and TDS are not required to meet the groundwater standards and minimum criteria at the discharge point; however they must comply at the edge of the zone of discharge along the western boundary.

The leachate influent data and leachate sludge sample data complied with the regulatory standards listed in 40 Code of Federal Regulations (CFR) Part 261.24.

Third Quarter and Annual 2009 leachate quality sampling, physical readings and measurements, and leachate quality analyses were performed by TestAmerica. Field work, sampling methodologies, data evaluation, and data Quality Assurance/Quality Control (QA/QC) were conducted in accordance with FAC Chapter 62-160 Standard Operating Procedures (DEP-SOP-001/01) and the TestAmerica quality manual. Laboratory analyses were performed in accordance with Chapter 62-160, FAC DEP-SOP-001/01. TestAmerica is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP).

TestAmerica mobilized to the site on July 21, 2009, and September 9, 2009, to collect leachate samples following the FDEP Standard Operating Procedures (SOPs) as guidance for the collection of these samples. Copies of the laboratory report and field forms are presented in Attachment 1.

Monthly samples of the leachate effluent were analyzed for the parameters listed in Specific Condition Part E.9.b.2 (monthly) of the Permit. The monthly samples are collected by the site and analyzed by their contract laboratory. The analytical laboratory reports from the monthly sampling events for July, August, and September of 2009 are included in Attachment 2 and summarized on Table 2, Attachment 3.

If you have any questions regarding this report, please contact the undersigned at (813) 621-0080.

Sincerely,

Ken Guilbeault, LEP
Senior Project Professional

Charles E. Hilton II
C. Ed Hilton, P.E. 10/15/09
Vice President
SCS ENGINEERS

KEG/CEH:keg

cc: Casey Stephens – Citrus County
Solid Waste Administrator, FDEP - Tallahassee

Attachments

DEP Form # 62-522 900(2)
Form Title Ground Water Monitoring Report
Effective Date
DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Citrus County Central Landfill

Address PO BOX 340

City Lecanto Zip 34460

Telephone Number (352) 527-7670

(2) Facility WACS Number SWD/09/39859

(3) DEP Permit Number 21375-008-SO/01

(4) Authorized Representative Name Casey Stephens, Director of Solid Waste/Ken Guilbeault, SCS Engineers

Address PO BOX 340

City Lecanto Zip 34460

Telephone Number (352) 527-7670

(5) Type of Discharge Treated Class 1 Landfill Leachate

(6) Method of Discharge Groundwater via Percolation

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 10/15/09

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # NA

Analytical Lab Comp QAP # /HRS Certification # NELAP Certifications E84282 and E81005

Lab Name TestAmerica Laboratories, Inc.

Address 6712 Benjamin Road, Suite 100, Tampa, Fl 33634

Phone Number (813) 885-7427

ATTACHMENT 1

LABORATORY ANALYTICAL RESULTS AND FIELD FORMS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 660-30753-1

Job Description: Citrus County Leachate Collections

For:
SCS Engineers
4041 Park Oaks Blvd
Suite 100
Tampa, FL 33610

Attention: Mr. Ken Guilbeault

Approved for release.
Hansan Mouslle
Project Manager I
8/25/2009 5:42 PM

Hansan Mouslle
Project Manager I
hansan.mouslle@testamericainc.com
08/25/2009
Revision: 1

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike(MS) associated with batch 82267 had (1) analyte outside control limits; therefore, re-extraction/re-analysis was not performed. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike (MS) recoveries for batch 82182 were outside control limits for three compounds. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8011: Surrogate recovery for the following sample 30753-3 was outside the upper control limit: This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8011: The matrix spike (MS) recovery for DBCP for batch 82309 was outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8011: Sample 30753-1 was diluted due to the nature of the sample matrix. Elevated reporting limits (RLs) are provided.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 82302 were outside control limits for one compound. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8081A: The following samples were diluted due to the nature of the sample matrix: 30753-1, and -3. Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following samples 30753-1 and 30753-3 were diluted due to the nature of the sample matrix. Elevated reporting limits (RLs) are provided.

Method(s) 8082: The batch matrix spike and matrix spike duplicate chosen for batch 82302 was 30753-2 which is the Equipment Blank. Corrective action was issued to prevent occurrence.

Method(s) 8151A: Surrogate recovery for the following samples were outside control limits: 30753-3 MS and 30753-1 Duplicate. The surrogate recovery in the native sample was within acceptance criterion, therefore re-extraction was not performed.

No other analytical or quality issues were noted.

Metals
Method(s) 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 82358 were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Field Service / Mobile Lab
No analytical or quality issues were noted.

General Chemistry
Method(s) 335.4: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 82380 was outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 82509 were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 350.1: One of the matrix spike / matrix spike duplicate (MS/MSD) sets recoveries for batch 82623 were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: An EB was used as QC for the PCBs method 8082 in this batch. The analyst was notified and additional training was done as preventative action.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: SCS Engineers Job Number: 660-30753-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-30753-1	**EFFLUENT LEACHATE**					
Acetone		21		20	ug/L	8260B
Bromoform		71		1.0	ug/L	8260B
Dibromochloromethane		280		5.0	ug/L	8260B
Bromodichloromethane		410		5.0	ug/L	8260B
Chloroform		370		5.0	ug/L	8260B
Color		Lite Brown			Color Units	Field Sampling
Field pH		7.49			SU	Field Sampling
Oxidation Reduction Potential		na			millivolts	Field Sampling
Oxygen, Dissolved		1.34			mg/L	Field Sampling
Sheen		No Sheen			SU	Field Sampling
Specific Conductance		3462			umhos/cm	Field Sampling
Chloride		710		5.0	mg/L	300.0
Cyanide		0.014		0.010	mg/L	335.4
Ammonia (as N)		0.16		0.020	mg/L	350.1
Total Dissolved Solids		1800		20	mg/L	SM 2540C
Total Recoverable						
Aluminum		0.45		0.20	mg/L	6010B
Arsenic		0.0091	I	0.010	mg/L	6010B
Barium		0.058		0.010	mg/L	6010B
Cobalt		0.011		0.010	mg/L	6010B
Chromium		0.0058	I	0.010	mg/L	6010B
Copper		0.014		0.010	mg/L	6010B
Nickel		0.046		0.0080	mg/L	6010B
Iron		0.068	I	0.20	mg/L	6010B
Zinc		0.020	I	0.020	mg/L	6010B
Sodium		430		10	mg/L	6010B
660-30753-2	**EQUIPMENT BLANK**					
Mercury		0.000079	I	0.00020	mg/L	7470A
Total Recoverable						
Sodium		0.33	I	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: SCS Engineers Job Number: 660-30753-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
660-30753-3	**INFLUENT LEACHATE COMPS.**				
1,4-Dichlorobenzene	10		9.6	ug/L	8270C
Naphthalene	16		9.6	ug/L	8270C
2,4-Dimethylphenol	4.1	I	9.6	ug/L	8270C
3 & 4 Methylphenol	39		9.6	ug/L	8270C
Color	Brown			Color Units	Field Sampling
Field pH	6.97			SU	Field Sampling
Oxidation Reduction Potential	na			millivolts	Field Sampling
Oxygen, Dissolved	0.79			mg/L	Field Sampling
Sheen	No Sheen			SU	Field Sampling
Specific Conductance	6795			umhos/cm	Field Sampling
Chloride	810		5.0	mg/L	300.0
Cyanide	0.0061	I	0.010	mg/L	335.4
Ammonia (as N)	380		2.0	mg/L	350.1
Nitrate Nitrite as N	0.98		0.50	mg/L	353.2
Alkalinity	1800		1.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3	1800		1.0	mg/L	SM 2320B
Total Dissolved Solids	2600		20	mg/L	SM 2540C
Total Recoverable					
Aluminum	0.18	I	0.20	mg/L	6010B
Arsenic	0.050		0.010	mg/L	6010B
Barium	0.038		0.010	mg/L	6010B
Cobalt	0.017		0.010	mg/L	6010B
Chromium	0.012		0.010	mg/L	6010B
Copper	0.0035	I	0.010	mg/L	6010B
Nickel	0.068		0.0080	mg/L	6010B
Iron	20		0.20	mg/L	6010B
Vanadium	0.0057	I	0.010	mg/L	6010B
Zinc	0.011	I	0.020	mg/L	6010B
Sodium	600		10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: SCS Engineers Job Number: 660-30753-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-30753-5	**PHASE 2/INFLUENT**					
Acetone		81		20	ug/L	8260B
Benzene		14		1.0	ug/L	8260B
2-Butanone (MEK)		140		10	ug/L	8260B
cis-1,2-Dichloroethene		4.4		1.0	ug/L	8260B
Dichlorobromomethane		0.60	I	1.0	ug/L	8260B
1,2-Dichloroethane		3.9		1.0	ug/L	8260B
1,2-Dichloropropane		1.2		1.0	ug/L	8260B
Ethylbenzene		46		1.0	ug/L	8260B
4-Methyl-2-pentanone (MIBK)		13		10	ug/L	8260B
Styrene		4.0		2.0	ug/L	8260B
Tetrachloroethene		0.91	I	1.0	ug/L	8260B
Toluene		34		1.0	ug/L	8260B
trans-1,3-Dichloropropene		0.56	I	1.0	ug/L	8260B
Trichloroethene		0.52	I	1.0	ug/L	8260B
Vinyl chloride		5.6		1.0	ug/L	8260B
Xylenes, Total		80		3.0	ug/L	8260B
660-30753-6	**MASTER LIFTSTATION/INFLUENT**					
Acetone		17	I	20	ug/L	8260B
Benzene		1.9		1.0	ug/L	8260B
Chlorobenzene		2.7		1.0	ug/L	8260B
cis-1,2-Dichloroethene		1.6		1.0	ug/L	8260B
Ethylbenzene		60		1.0	ug/L	8260B
Toluene		9.3		1.0	ug/L	8260B
Xylenes, Total		42		3.0	ug/L	8260B

METHOD SUMMARY

Client: SCS Engineers Job Number: 660-30753-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL TAM	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL TAM		SW846 3520C
EDB, DBCP, and 1,2,3-TCP (GC)	TAL TAM	SW846 8011	
Microextraction	TAL TAM		SW846 8011
Organochlorine Pesticides (GC)	TAL TAM	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL TAM		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL TAM	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL TAM		SW846 3510C
Organophosphorous Pesticides (GC)	TAL TAL	SW846 8141A	
Liquid-Liquid Extraction (Continuous)	TAL TAL		SW846 3520C
Herbicides (GC)	TAL TAM	SW846 8151A	
Extraction (Herbicides)	TAL TAM		SW846 8151A
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Mercury (CVAA)	TAL TAM	SW846 7470A	
Preparation, Mercury	TAL TAM		SW846 7470A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Cyanide, Total	TAL TAM	MCAWW 335.4	
Distillation, Cyanide	TAL TAM		Distill/CN
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL TAM	MCAWW 353.2	
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAL	SM SM 2540C	
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: SCS Engineers

Job Number: 660-30753-1

Method	Analyst	Analyst ID
SW846 8260B	Harris, Chris	CH
SW846 8270C	Perrin, Todd	TP
SW846 8011	Ballard, James	JB
SW846 8081A	Myers, Randy	RM
SW846 8082	Ballard, James	JB
SW846 8141A	Thomas, Martin L	MLT
SW846 8151A	Myers, Randy	RM
SW846 6010B	Fox, Greg	GF
SW846 7470A	Canales, Richard	RC
EPA Field Sampling	Atkins, Amy	AA
MCAWW 300.0	Cantin, Stephen C	SCC
MCAWW 335.4	Sengsouvanna, Dom	DS
MCAWW 350.1	Mathew, Pinky	PM
MCAWW 353.2	Steward, Tiffany	TS
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Office, Trey	TO
SM SM 4500 S2 F	Mostafavifar, Efe	EM

SAMPLE SUMMARY

Client: SCS Engineers

Job Number: 660-30753-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-30753-1	Effluent Leachate	Water	07/21/2009 1515	07/22/2009 0800
660-30753-2	Equipment Blank	Water	07/21/2009 1440	07/22/2009 0800
660-30753-3	Influent Leachate Comps.	Water	07/21/2009 1500	07/22/2009 0800
660-30753-4	Trip Blank	Water	07/21/2009 0000	07/22/2009 0800
660-30753-5	Phase 2/Influent	Water	07/21/2009 1305	07/22/2009 0800
660-30753-6	Master Liftstation/Influent	Water	07/21/2009 1310	07/22/2009 0800

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 | Date Sampled: 07/21/2009 1515
Client Matrix: Water | Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267	Instrument ID: BVMJ5975
Preparation:	5030B		Lab File ID: 1JG2319.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1558		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1558		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	21		9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	71		0.58	1.0
Bromomethane	2.5	U	2.5	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
Chloroethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
Dibromomethane	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
Propionitrile	7.2	U	7.2	100
Styrene	0.98	U	0.98	2.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.50	U	0.50	1.0

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267		Instrument ID:	BVMJ5975
Preparation:	5030B			Lab File ID:	1JG2319.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/23/2009 1558			Final Weight/Volume:	5 mL
Date Prepared:	07/23/2009 1558				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267		Instrument ID:	BVMJ5975
Preparation:	5030B			Lab File ID:	1JG2330.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/23/2009 2019			Final Weight/Volume:	5 mL
Date Prepared:	07/23/2009 2019				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Dibromochloromethane	280		1.7	5.0
Bromodichloromethane	410		1.8	5.0
Chloroform	370		4.5	5.0

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B | Analysis Batch: 660-82267 | Instrument ID: BVMJ5975
Preparation: 5030B | Lab File ID: 1JG2318.D
Dilution: 1.0 | Initial Weight/Volume: 5 mL
Date Analyzed: 07/23/2009 1534 | Final Weight/Volume: 5 mL
Date Prepared: 07/23/2009 1534

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Dibromochloromethane	0.34	U	0.34	1.0
2-Butanone (MEK)	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
Dibromomethane	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
Propionitrile	7.2	U	7.2	100
Styrene	0.98	U	0.98	2.0

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 Date Sampled: 07/21/2009 1440
Client Matrix: Water Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 660-82267 Instrument ID: BVMJ5975
Preparation: 5030B Lab File ID: 1JG2318.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 07/23/2009 1534 Final Weight/Volume: 5 mL
Date Prepared: 07/23/2009 1534

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 660-30753-4
Client Matrix: Water

Date Sampled: 07/21/2009 0000
Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/23/2009 1512
Date Prepared: 07/23/2009 1512

Analysis Batch: 660-82267

Instrument ID: BVMJ5975
Lab File ID: 1JG2317.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Dibromochloromethane	0.34	U	0.34	1.0
2-Butanone (MEK)	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Bromodichloromethane	0.35	U	0.35	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
Dibromomethane	0.41	U	0.41	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
Propionitrile	7.2	U	7.2	100
Styrene	0.98	U	0.98	2.0

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 660-30753-4 | Date Sampled: 07/21/2009 0000
Client Matrix: Water | Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267	Instrument ID: BVMJ5975
Preparation:	5030B		Lab File ID: 1JG2317.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1512		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1512		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Phase 2/Influent**

Lab Sample ID: 660-30753-5 | Date Sampled: 07/21/2009 1305
Client Matrix: Water | Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B | Analysis Batch: 660-82267 | Instrument ID: BVMJ5975
Preparation: 5030B | Lab File ID: 1JG2328.D
Dilution: 1.0 | Initial Weight/Volume: 5 mL
Date Analyzed: 07/23/2009 1933 | Final Weight/Volume: 5 mL
Date Prepared: 07/23/2009 1933

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	81		9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	14		0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
2-Butanone (MEK)	140		8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
cis-1,2-Dichloroethene	4.4		0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.60	I	0.35	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	3.9		0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2-Dichloropropane	1.2		0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
Ethylbenzene	46		0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	13		3.8	10
Propionitrile	7.2	U	7.2	100
Styrene	4.0		0.98	2.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.91	I	0.50	1.0

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Phase 2/Influent**

Lab Sample ID: 660-30753-5 | Date Sampled: 07/21/2009 1305
Client Matrix: Water | Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267	Instrument ID: BVMJ5975
Preparation:	5030B		Lab File ID: 1JG2328.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1933		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1933		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Toluene	34		0.51	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.56	I	0.14	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.52	I	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	5.6		0.50	1.0
Xylenes, Total	80		0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Master Liftstation/Influent**

Lab Sample ID: 660-30753-6 Date Sampled: 07/21/2009 1310
Client Matrix: Water Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267		Instrument ID:	BVMJ5975
Preparation:	5030B			Lab File ID:	1JG2321.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/23/2009 1644			Final Weight/Volume:	5 mL
Date Prepared:	07/23/2009 1644				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	17	I	9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	1.9		0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	2.7		0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
cis-1,2-Dichloroethene	1.6		0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
Ethylbenzene	60		0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Propionitrile	7.2	U	7.2	100
Styrene	0.98	U	0.98	2.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
Tetrachloroethene	0.50	U	0.50	1.0

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Master Liftstation/Influent**

Lab Sample ID: 660-30753-6 Date Sampled: 07/21/2009 1310
Client Matrix: Water Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82267	Instrument ID: BVMJ5975
Preparation:	5030B		Lab File ID: 1JG2321.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1644		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1644		

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Toluene	9.3		0.51	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	42		0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 | Date Sampled: 07/21/2009 1515
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23019.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/23/2009 1941			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acenaphthene	1.4	U	1.4	9.5
Acenaphthylene	1.7	U	1.7	9.5
Anthracene	0.95	U	0.95	9.5
Benzo[a]anthracene	1.5	U	1.5	9.5
Benzo[k]fluoranthene	1.2	U	1.2	9.5
Benzo[b]fluoranthene	1.5	U	1.5	9.5
Benzo[g,h,i]perylene	1.0	U	1.0	9.5
Benzo[a]pyrene	0.94	U	0.94	3.8
Benzyl alcohol	2.7	U	2.7	9.5
Bis(2-chloroethoxy)methane	1.9	U	1.9	9.5
Bis(2-chloroethyl)ether	2.5	U	2.5	9.5
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	9.5
Bis(2-ethylhexyl) phthalate	1.2	U	1.2	5.7
4-Bromophenyl phenyl ether	1.6	U	1.6	9.5
Butyl benzyl phthalate	1.1	U	1.1	9.5
4-Chloroaniline	2.0	U	2.0	19
1,3-Dichlorobenzene	1.0	U	1.0	9.5
1,4-Dichlorobenzene	1.1	U	1.1	9.5
1,2-Dichlorobenzene	1.0	U	1.0	9.5
4-Chlorophenyl phenyl ether	1.7	U	1.7	9.5
2-Chloronaphthalene	1.5	U	1.5	9.5
Chrysene	1.1	U	1.1	9.5
Dibenz(a,h)anthracene	0.95	U	0.95	9.5
Di-n-butyl phthalate	2.4	U	2.4	9.5
3,3'-Dichlorobenzidine	1.5	U	1.5	19
Diethyl phthalate	2.4	U	2.4	9.5
Dimethyl phthalate	2.4	U	2.4	9.5
2,4-Dinitrotoluene	0.86	U	0.86	9.5
2,6-Dinitrotoluene	0.68	U	0.68	9.5
Di-n-octyl phthalate	2.4	U	2.4	9.5
N-Nitrosodi-n-propylamine	1.8	U	1.8	9.5
Fluoranthene	1.1	U	1.1	9.5
Fluorene	1.6	U	1.6	9.5
Hexachlorobenzene	1.6	U	1.6	3.8
Hexachlorobutadiene	0.95	U	0.95	9.5
Hexachlorocyclopentadiene	1.1	U	1.1	9.5
Hexachloroethane	0.81	U	0.81	9.5
Indeno[1,2,3-cd]pyrene	1.1	U	1.1	9.5
Isophorone	1.3	U	1.3	9.5
2-Methylnaphthalene	1.5	U	1.5	9.5
Naphthalene	1.2	U	1.2	9.5
2-Nitroaniline	1.3	U	1.3	47
3-Nitroaniline	1.1	U	1.1	47
4-Nitroaniline	1.3	U	1.3	47
Nitrobenzene	1.8	U	1.8	9.5
N-Nitrosodimethylamine	2.3	U	2.3	9.5

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 | Date Sampled: 07/21/2009 1515
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23019.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/23/2009 1941			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
N-Nitrosodiphenylamine	1.5	U	1.5	9.5
Phenanthrene	1.2	U	1.2	9.5
Pyrene	1.1	U	1.1	9.5
1,2,4-Trichlorobenzene	1.1	U	1.1	9.5
2-Chlorophenol	2.0	U	2.0	9.5
2-Methylphenol	2.2	U	2.2	9.5
4-Nitrophenol	5.9	U	5.9	47
2,4-Dichlorophenol	1.7	U	1.7	9.5
2,6-Dichlorophenol	1.5	U	1.5	9.5
2,4-Dimethylphenol	1.7	U	1.7	9.5
4,6-Dinitro-2-methylphenol	1.4	U	1.4	47
2,4-Dinitrophenol	5.9	U	5.9	47
Pentachlorophenol	1.4	U	1.4	14
Phenol	2.3	U	2.3	3.8
2,4,5-Trichlorophenol	2.0	U	2.0	9.5
2,4,6-Trichlorophenol	1.8	U	1.8	9.5
2,3,4,6-Tetrachlorophenol	0.62	U	0.62	9.5
2-Nitrophenol	1.1	U	1.1	9.5
4-Chloro-3-methylphenol	1.6	U	1.6	9.5
Dibenzofuran	1.5	U	1.5	9.5
3 & 4 Methylphenol	2.3	U	2.3	9.5
1-Methylnaphthalene	1.2	U	1.2	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	91		34 - 130
2-Fluorobiphenyl	85		36 - 124
Terphenyl-d14	30		14 - 148
Phenol-d5	68		25 - 128
2-Fluorophenol	73		29 - 121
2,4,6-Tribromophenol	85		29 - 143

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82615		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28037.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/29/2009 0011			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2-Acetylaminofluorene	0.73	U	0.73	9.5
4-Aminobiphenyl	0.77	U	0.77	9.5
3,3'-Dimethylbenzidine	13	U	13	19
p-Dimethylamino azobenzene	0.64	U	0.64	9.5
7,12-Dimethylbenz(a)anthracene	0.87	U	0.87	9.5
Isosafrole	1.5	U	1.5	9.5
Methapyrilene	1.0	U	1.0	1900
3-Methylcholanthrene	0.53	U	0.53	9.5
Methyl methanesulfonate	1.1	U	1.1	9.5
1,4-Naphthoquinone	1.0	U	1.0	9.5
1-Naphthylamine	0.80	U	0.80	9.5
2-Naphthylamine	0.95	U	0.95	9.5
N-Nitrosodi-n-butylamine	1.4	U	1.4	9.5
N-Nitrosodiethylamine	1.4	U	1.4	9.5
N-Nitrosomethylethylamine	1.5	U	1.5	9.5
N-Nitrosopiperidine	0.82	U	0.82	9.5
N-Nitrosopyrrolidine	1.1	U	1.1	9.5
N-Nitro-o-toluidine	0.85	U	0.85	9.5
Pentachlorobenzene	0.94	U	0.94	9.5
Pentachloronitrobenzene	1.4	U	1.4	9.5
Phenacetin	0.80	U	0.80	9.5
Pronamide	0.66	U	0.66	9.5
Safrole, Total	1.1	U	1.1	9.5
Diallate	1.3	U	1.3	9.5
Ethyl methanesulfonate	1.2	U	1.2	9.5
p-Phenylene diamine	2.9	U	2.9	1900
2-Toluidine	1.1	U	1.1	9.5
Hexachloropropene	0.63	U	0.63	9.5

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82616		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28037.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/29/2009 0011			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
o,o',o''-Triethylphosphorothioate	1.7	U	1.7	9.5

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23021.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/23/2009 2036			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acenaphthene	1.4	U	1.4	9.5
Acenaphthylene	1.7	U	1.7	9.5
Anthracene	0.95	U	0.95	9.5
Benzo[a]anthracene	1.5	U	1.5	9.5
Benzo[k]fluoranthene	1.2	U	1.2	9.5
Benzo[b]fluoranthene	1.5	U	1.5	9.5
Benzo[g,h,i]perylene	1.0	U	1.0	9.5
Benzo[a]pyrene	0.94	U	0.94	3.8
Benzyl alcohol	2.7	U	2.7	9.5
Bis(2-chloroethoxy)methane	1.9	U	1.9	9.5
Bis(2-chloroethyl)ether	2.5	U	2.5	9.5
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	9.5
Bis(2-ethylhexyl) phthalate	1.2	U	1.2	5.7
4-Bromophenyl phenyl ether	1.6	U	1.6	9.5
Butyl benzyl phthalate	1.1	U	1.1	9.5
4-Chloroaniline	2.0	U	2.0	19
1,3-Dichlorobenzene	1.0	U	1.0	9.5
1,4-Dichlorobenzene	1.1	U	1.1	9.5
1,2-Dichlorobenzene	1.0	U	1.0	9.5
4-Chlorophenyl phenyl ether	1.7	U	1.7	9.5
2-Chloronaphthalene	1.5	U	1.5	9.5
Chrysene	1.1	U	1.1	9.5
Dibenz(a,h)anthracene	0.95	U	0.95	9.5
Di-n-butyl phthalate	2.4	U	2.4	9.5
3,3'-Dichlorobenzidine	1.5	U	1.5	19
Diethyl phthalate	2.4	U	2.4	9.5
Dimethyl phthalate	2.4	U	2.4	9.5
2,4-Dinitrotoluene	0.86	U	0.86	9.5
2,6-Dinitrotoluene	0.68	U	0.68	9.5
Di-n-octyl phthalate	2.4	U	2.4	9.5
N-Nitrosodi-n-propylamine	1.8	U	1.8	9.5
Fluoranthene	1.1	U	1.1	9.5
Fluorene	1.6	U	1.6	9.5
Hexachlorobenzene	1.6	U	1.6	3.8
Hexachlorobutadiene	0.95	U	0.95	9.5
Hexachlorocyclopentadiene	1.1	U	1.1	9.5
Hexachloroethane	0.81	U	0.81	9.5
Indeno[1,2,3-cd]pyrene	1.1	U	1.1	9.5
Isophorone	1.3	U	1.3	9.5
2-Methylnaphthalene	1.5	U	1.5	9.5
Naphthalene	1.2	U	1.2	9.5
2-Nitroaniline	1.3	U	1.3	47
3-Nitroaniline	1.1	U	1.1	47
4-Nitroaniline	1.3	U	1.3	47
Nitrobenzene	1.8	U	1.8	9.5
N-Nitrosodimethylamine	2.3	U	2.3	9.5

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23021.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/23/2009 2036			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
N-Nitrosodiphenylamine	1.5	U	1.5	9.5
Phenanthrene	1.2	U	1.2	9.5
Pyrene	1.1	U	1.1	9.5
1,2,4-Trichlorobenzene	1.1	U	1.1	9.5
2-Chlorophenol	2.0	U	2.0	9.5
2-Methylphenol	2.2	U	2.2	9.5
4-Nitrophenol	5.9	U	5.9	47
2,4-Dichlorophenol	1.7	U	1.7	9.5
2,6-Dichlorophenol	1.5	U	1.5	9.5
2,4-Dimethylphenol	1.7	U	1.7	9.5
4,6-Dinitro-2-methylphenol	1.4	U	1.4	47
2,4-Dinitrophenol	5.9	U	5.9	47
Pentachlorophenol	1.4	U	1.4	14
Phenol	2.3	U	2.3	3.8
2,4,5-Trichlorophenol	2.0	U	2.0	9.5
2,4,6-Trichlorophenol	1.8	U	1.8	9.5
2-Nitrophenol	1.1	U	1.1	9.5
4-Chloro-3-methylphenol	1.6	U	1.6	9.5
Dibenzofuran	1.5	U	1.5	9.5
3 & 4 Methylphenol	2.3	U	2.3	9.5
1-Methylnaphthalene	1.2	U	1.2	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		34 - 130
2-Fluorobiphenyl	83		36 - 124
Terphenyl-d14	95		14 - 148
Phenol-d5	53		25 - 128
2-Fluorophenol	64		29 - 121
2,4,6-Tribromophenol	92		29 - 143

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82618		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23021.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/23/2009 2036			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,3,4,6-Tetrachlorophenol	0.62	U	0.62	9.5

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82615		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28039.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/29/2009 0051			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2-Acetylaminofluorene	0.73	U	0.73	9.5
4-Aminobiphenyl	0.77	U	0.77	9.5
3,3'-Dimethylbenzidine	13	U	13	19
p-Dimethylamino azobenzene	0.64	U	0.64	9.5
7,12-Dimethylbenz(a)anthracene	0.87	U	0.87	9.5
Isosafrole	1.5	U	1.5	9.5
Methapyrilene	1.0	U	1.0	1900
3-Methylcholanthrene	0.53	U	0.53	9.5
Methyl methanesulfonate	1.1	U	1.1	9.5
1,4-Naphthoquinone	1.0	U	1.0	9.5
1-Naphthylamine	0.80	U	0.80	9.5
2-Naphthylamine	0.95	U	0.95	9.5
N-Nitrosodi-n-butylamine	1.4	U	1.4	9.5
N-Nitrosodiethylamine	1.4	U	1.4	9.5
N-Nitrosomethylethylamine	1.5	U	1.5	9.5
N-Nitrosopiperidine	0.82	U	0.82	9.5
N-Nitrosopyrrolidine	1.1	U	1.1	9.5
N-Nitro-o-toluidine	0.85	U	0.85	9.5
Pentachlorobenzene	0.94	U	0.94	9.5
Pentachloronitrobenzene	1.4	U	1.4	9.5
Phenacetin	0.80	U	0.80	9.5
Pronamide	0.66	U	0.66	9.5
Safrole, Total	1.1	U	1.1	9.5
Diallate	1.3	U	1.3	9.5
Ethyl methanesulfonate	1.2	U	1.2	9.5
p-Phenylene diamine	2.9	U	2.9	1900
2-Toluidine	1.1	U	1.1	9.5
Hexachloropropene	0.63	U	0.63	9.5

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82616		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28039.D
Dilution:	1.0			Initial Weight/Volume:	1055 mL
Date Analyzed:	07/29/2009 0051			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
o,o',o''-Triethylphosphorothioate	1.7	U	1.7	9.5

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 | Date Sampled: 07/21/2009 1500
Client Matrix: Water | Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/23/2009 2103			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acenaphthene	1.4	U	1.4	9.6
Acenaphthylene	1.7	U	1.7	9.6
Anthracene	0.96	U	0.96	9.6
Benzo[a]anthracene	1.5	U	1.5	9.6
Benzo[k]fluoranthene	1.2	U	1.2	9.6
Benzo[b]fluoranthene	1.5	U	1.5	9.6
Benzo[g,h,i]perylene	1.1	U	1.1	9.6
Benzo[a]pyrene	0.95	U	0.95	3.8
Benzyl alcohol	2.8	U	2.8	9.6
Bis(2-chloroethoxy)methane	1.9	U	1.9	9.6
Bis(2-chloroethyl)ether	2.5	U	2.5	9.6
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	9.6
Bis(2-ethylhexyl) phthalate	1.2	U	1.2	5.8
4-Bromophenyl phenyl ether	1.6	U	1.6	9.6
Butyl benzyl phthalate	1.2	U	1.2	9.6
4-Chloroaniline	2.0	U	2.0	19
1,3-Dichlorobenzene	1.1	U	1.1	9.6
1,4-Dichlorobenzene	10		1.2	9.6
1,2-Dichlorobenzene	1.1	U	1.1	9.6
4-Chlorophenyl phenyl ether	1.7	U	1.7	9.6
2-Chloronaphthalene	1.5	U	1.5	9.6
Chrysene	1.2	U	1.2	9.6
Dibenz(a,h)anthracene	0.96	U	0.96	9.6
Di-n-butyl phthalate	2.4	U	2.4	9.6
3,3'-Dichlorobenzidine	1.5	U	1.5	19
Diethyl phthalate	2.4	U	2.4	9.6
Dimethyl phthalate	2.4	U	2.4	9.6
2,4-Dinitrotoluene	0.88	U	0.88	9.6
2,6-Dinitrotoluene	0.69	U	0.69	9.6
Di-n-octyl phthalate	2.4	U	2.4	9.6
N-Nitrosodi-n-propylamine	1.8	U	1.8	9.6
Fluoranthene	1.2	U	1.2	9.6
Fluorene	1.6	U	1.6	9.6
Hexachlorobenzene	1.6	U	1.6	3.8
Hexachlorobutadiene	0.96	U	0.96	9.6
Hexachlorocyclopentadiene	1.2	U	1.2	9.6
Hexachloroethane	0.82	U	0.82	9.6
Indeno[1,2,3-cd]pyrene	1.2	U	1.2	9.6
Isophorone	1.3	U	1.3	9.6
2-Methylnaphthalene	1.5	U	1.5	9.6
Naphthalene	16		1.2	9.6
2-Nitroaniline	1.3	U	1.3	48
3-Nitroaniline	1.2	U	1.2	48
4-Nitroaniline	1.3	U	1.3	48
Nitrobenzene	1.8	U	1.8	9.6
N-Nitrosodimethylamine	2.3	U	2.3	9.6

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82323		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/23/2009 2103			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
N-Nitrosodiphenylamine	1.5	U	1.5	9.6
Phenanthrene	1.2	U	1.2	9.6
Pyrene	1.2	U	1.2	9.6
1,2,4-Trichlorobenzene	1.2	U	1.2	9.6
2-Chlorophenol	2.0	U	2.0	9.6
2-Methylphenol	2.2	U	2.2	9.6
4-Nitrophenol	6.0	U	6.0	48
2,4-Dichlorophenol	1.7	U	1.7	9.6
2,6-Dichlorophenol	1.5	U	1.5	9.6
2,4-Dimethylphenol	4.1	I	1.7	9.6
4,6-Dinitro-2-methylphenol	1.4	U	1.4	48
2,4-Dinitrophenol	6.0	U	6.0	48
Pentachlorophenol	1.4	U	1.4	14
Phenol	2.3	U	2.3	3.8
2,4,5-Trichlorophenol	2.0	U	2.0	9.6
2,4,6-Trichlorophenol	1.8	U	1.8	9.6
2-Nitrophenol	1.2	U	1.2	9.6
4-Chloro-3-methylphenol	1.6	U	1.6	9.6
Dibenzofuran	1.5	U	1.5	9.6
3 & 4 Methylphenol	39		2.3	9.6
1-Methylnaphthalene	1.2	U	1.2	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	100		34 - 130
2-Fluorobiphenyl	71		36 - 124
Terphenyl-d14	33		14 - 148
Phenol-d5	68		25 - 128
2-Fluorophenol	71		29 - 121
2,4,6-Tribromophenol	77		29 - 143

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82618		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1DG23022.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/23/2009 2103			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,3,4,6-Tetrachlorophenol	0.62	U	0.62	9.6

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82615		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28040.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/29/2009 0111			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2-Acetylaminofluorene	0.74	U	0.74	9.6
4-Aminobiphenyl	0.78	U	0.78	9.6
3,3'-Dimethylbenzidine	13	U	13	19
p-Dimethylamino azobenzene	0.64	U	0.64	9.6
7,12-Dimethylbenz(a)anthracene	0.88	U	0.88	9.6
Isosafrole	1.5	U	1.5	9.6
Methapyrilene	1.1	U	1.1	1900
3-Methylcholanthrene	0.54	U	0.54	9.6
Methyl methanesulfonate	1.2	U	1.2	9.6
1,4-Naphthoquinone	1.1	U	1.1	9.6
1-Naphthylamine	0.81	U	0.81	9.6
2-Naphthylamine	0.96	U	0.96	9.6
N-Nitrosodi-n-butylamine	1.4	U	1.4	9.6
N-Nitrosodiethylamine	1.4	U	1.4	9.6
N-Nitrosomethylethylamine	1.5	U	1.5	9.6
N-Nitrosopiperidine	0.84	U	0.84	9.6
N-Nitrosopyrrolidine	1.2	U	1.2	9.6
N-Nitro-o-toluidine	0.87	U	0.87	9.6
Pentachlorobenzene	0.95	U	0.95	9.6
Pentachloronitrobenzene	1.4	U	1.4	9.6
Phenacetin	0.81	U	0.81	9.6
Pronamide	0.67	U	0.67	9.6
Safrole, Total	1.2	U	1.2	9.6
Diallate	1.3	U	1.3	9.6
Ethyl methanesulfonate	1.2	U	1.2	9.6
p-Phenylene diamine	3.0	U	3.0	1900
2-Toluidine	1.2	U	1.2	9.6
Hexachloropropene	0.63	U	0.63	9.6

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 660-82616		Instrument ID:	BSMC5973
Preparation:	3520C	Prep Batch: 660-82182		Lab File ID:	1CG28040.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	07/29/2009 0111			Final Weight/Volume:	1 mL
Date Prepared:	07/22/2009 1358			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
o,o',o''-Triethylphosphorothioate	1.7	U	1.7	9.6

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1
Client Matrix: Water

Date Sampled: 07/21/2009 1515
Date Received: 07/22/2009 0800

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-82476		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-82309		Initial Weight/Volume:	37.7694 mL
Dilution:	4.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	07/24/2009 1024			Injection Volume:	4 uL
Date Prepared:	07/23/2009 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.037	U	0.037	0.074
Ethylene Dibromide	0.037	U	0.037	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	68		60 - 140

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-82476		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-82309		Initial Weight/Volume:	35.5561 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	07/24/2009 0001			Injection Volume:	4 uL
Date Prepared:	07/23/2009 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0098	U	0.0098	0.020
Ethylene Dibromide	0.0098	U	0.0098	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	105		60 - 140

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-82476		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-82309		Initial Weight/Volume:	36.0994 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	07/24/2009 0021			Injection Volume:	4 uL
Date Prepared:	07/23/2009 1230			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0097	U	0.0097	0.019
Ethylene Dibromide	0.0097	U	0.0097	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	192	J1	60 - 140

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1030 mL
Dilution:	10			Final Weight/Volume:	10 mL
Date Analyzed:	07/24/2009 1853			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
4,4'-DDD	0.040	U	0.040	0.097
4,4'-DDE	0.053	U	0.053	0.097
4,4'-DDT	0.031	U	0.031	0.097
Aldrin	0.018	U	0.018	0.097
alpha-BHC	0.027	U	0.027	0.097
alpha-Chlordane	0.033	U	0.033	0.49
beta-BHC	0.026	U	0.026	0.097
Chlordane (technical)	0.55	U	0.55	4.9
delta-BHC	0.027	U	0.027	0.097
Dieldrin	0.014	U	0.014	0.097
Endosulfan I	0.033	U	0.033	0.097
Endosulfan II	0.032	U	0.032	0.097
Endosulfan sulfate	0.029	U	0.029	0.097
Endrin	0.030	U	0.030	0.097
Endrin aldehyde	0.031	U	0.031	0.097
Endrin ketone	0.052	U	0.052	0.97
gamma-BHC (Lindane)	0.025	U	0.025	0.097
gamma-Chlordane	0.035	U	0.035	0.49
Heptachlor	0.030	U J3	0.030	0.097
Heptachlor epoxide	0.031	U	0.031	0.097
Methoxychlor	0.049	U	0.049	0.097
Toxaphene	7.0	U	7.0	29

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D1	30 - 150
Tetrachloro-m-xylene	0	D1	30 - 150

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1030 mL
Dilution:	10			Final Weight/Volume:	10 mL
Date Analyzed:	07/27/2009 2031			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Ethyl 4,4'-Dichlorobenzilate	0.73	U	0.73	4.9
Isodrin	0.059	U	0.059	0.49
Kepone	0.81	U	0.81	9.7

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/24/2009 1933			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
4,4'-DDD	0.0039	U	0.0039	0.0095
4,4'-DDE	0.0052	U	0.0052	0.0095
4,4'-DDT	0.0030	U	0.0030	0.0095
Aldrin	0.0017	U	0.0017	0.0095
alpha-BHC	0.0027	U	0.0027	0.0095
alpha-Chlordane	0.0032	U	0.0032	0.047
beta-BHC	0.0025	U	0.0025	0.0095
Chlordane (technical)	0.054	U	0.054	0.47
delta-BHC	0.0026	U	0.0026	0.0095
Dieldrin	0.0013	U	0.0013	0.0095
Endosulfan I	0.0032	U	0.0032	0.0095
Endosulfan II	0.0031	U	0.0031	0.0095
Endosulfan sulfate	0.0028	U	0.0028	0.0095
Endrin	0.0030	U	0.0030	0.0095
Endrin aldehyde	0.0030	U	0.0030	0.0095
Endrin ketone	0.0051	U	0.0051	0.095
gamma-BHC (Lindane)	0.0025	U	0.0025	0.0095
gamma-Chlordane	0.0034	U	0.0034	0.047
Heptachlor	0.0029	U	0.0029	0.0095
Heptachlor epoxide	0.0030	U	0.0030	0.0095
Methoxychlor	0.0048	U	0.0048	0.0095
Toxaphene	0.68	U	0.68	2.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		30 - 150
Tetrachloro-m-xylene	78		30 - 150

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/27/2009 2044			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Ethyl 4,4'-Dichlorobenzilate	0.071	U	0.071	0.47
Isodrin	0.0058	U	0.0058	0.047
Kepone	0.079	U	0.079	0.95

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1050 mL
Dilution:	4.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/24/2009 1947			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
4,4'-DDD	0.016	U	0.016	0.038
4,4'-DDE	0.021	U	0.021	0.038
4,4'-DDT	0.012	U	0.012	0.038
Aldrin	0.0070	U	0.0070	0.038
alpha-BHC	0.011	U	0.011	0.038
alpha-Chlordane	0.013	U	0.013	0.19
beta-BHC	0.010	U	0.010	0.038
Chlordane (technical)	0.22	U	0.22	1.9
delta-BHC	0.011	U	0.011	0.038
Dieldrin	0.0053	U	0.0053	0.038
Endosulfan I	0.013	U	0.013	0.038
Endosulfan II	0.013	U	0.013	0.038
Endosulfan sulfate	0.011	U	0.011	0.038
Endrin	0.012	U	0.012	0.038
Endrin aldehyde	0.012	U	0.012	0.038
Endrin ketone	0.021	U	0.021	0.38
gamma-BHC (Lindane)	0.0099	U	0.0099	0.038
gamma-Chlordane	0.014	U	0.014	0.19
Heptachlor	0.012	U	0.012	0.038
Heptachlor epoxide	0.012	U	0.012	0.038
Methoxychlor	0.019	U	0.019	0.038
Toxaphene	2.7	U	2.7	11

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	36		30 - 150
Tetrachloro-m-xylene	67		30 - 150

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 660-82451		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1050 mL
Dilution:	4.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/27/2009 2058			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Ethyl 4,4'-Dichlorobenzilate	0.29	U	0.29	1.9
Isodrin	0.023	U	0.023	0.19
Kepone	0.32	U	0.32	3.8

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 660-82431		Instrument ID:	BSGK
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1030 mL
Dilution:	10			Final Weight/Volume:	10 mL
Date Analyzed:	07/27/2009 1204			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
PCB-1016	2.5	U	2.5	4.9
PCB-1221	1.5	U	1.5	4.9
PCB-1232	3.7	U	3.7	4.9
PCB-1242	2.2	U	2.2	4.9
PCB-1248	1.3	U	1.3	4.9
PCB-1254	1.2	U	1.2	4.9
PCB-1260	3.1	U	3.1	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D1	30 - 150
Tetrachloro-m-xylene	0	D1	30 - 150

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 660-82431		Instrument ID:	BSGK
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/24/2009 1436			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
PCB-1016	0.25	U	0.25	0.47
PCB-1221	0.14	U	0.14	0.47
PCB-1232	0.36	U	0.36	0.47
PCB-1242	0.22	U	0.22	0.47
PCB-1248	0.12	U	0.12	0.47
PCB-1254	0.11	U	0.11	0.47
PCB-1260	0.30	U	0.30	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		30 - 150
Tetrachloro-m-xylene	83		30 - 150

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 660-82431		Instrument ID:	BSGK
Preparation:	3510C	Prep Batch: 660-82302		Initial Weight/Volume:	1050 mL
Dilution:	4.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/27/2009 1218			Injection Volume:	1.0 uL
Date Prepared:	07/24/2009 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
PCB-1016	0.99	U	0.99	1.9
PCB-1221	0.57	U	0.57	1.9
PCB-1232	1.4	U	1.4	1.9
PCB-1242	0.88	U	0.88	1.9
PCB-1248	0.50	U	0.50	1.9
PCB-1254	0.46	U	0.46	1.9
PCB-1260	1.2	U	1.2	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38		30 - 150
Tetrachloro-m-xylene	58		30 - 150

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

8141A Organophosphorous Pesticides (GC)

Method:	8141A	Analysis Batch: 640-59113	Instrument ID:	SGF
Preparation:	3520C	Prep Batch: 640-58925	Initial Weight/Volume:	1050 mL
Dilution:	1.0		Final Weight/Volume:	5.0 mL
Date Analyzed:	07/28/2009 1251		Injection Volume:	1 uL
Date Prepared:	07/23/2009 1420		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Disulfoton	0.11	U	0.11	1.9
Methyl parathion	0.11	U	0.11	0.48
Ethyl Parathion	0.076	U	0.076	0.95
Famphur	0.10	U	0.10	1.9
Phorate	0.15	U	0.15	0.95
Thionazin	0.058	U	0.058	0.95
Dimethoate	0.30	U	0.30	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate (TPP)	83		37 - 139

Client: SCS Engineers | Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 | Date Sampled: 07/21/2009 1440
Client Matrix: Water | Date Received: 07/22/2009 0800

8141A Organophosphorous Pesticides (GC)

Method:	8141A	Analysis Batch: 640-59113		Instrument ID:	SGF
Preparation:	3520C	Prep Batch: 640-58925		Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	07/28/2009 1306			Injection Volume:	1 uL
Date Prepared:	07/23/2009 1420			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Disulfoton	0.11	U	0.11	1.9
Methyl parathion	0.11	U	0.11	0.48
Ethyl Parathion	0.076	U	0.076	0.95
Famphur	0.10	U	0.10	1.9
Phorate	0.15	U	0.15	0.95
Thionazin	0.058	U	0.058	0.95
Dimethoate	0.30	U	0.30	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate (TPP)	100		37 - 139

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8141A Organophosphorous Pesticides (GC)

Method:	8141A	Analysis Batch: 640-59113	Instrument ID:	SGF
Preparation:	3520C	Prep Batch: 640-58925	Initial Weight/Volume:	1050 mL
Dilution:	1.0		Final Weight/Volume:	5.0 mL
Date Analyzed:	07/28/2009 1320		Injection Volume:	1 uL
Date Prepared:	07/23/2009 1420		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Disulfoton	0.11	U	0.11	1.9
Methyl parathion	0.11	U	0.11	0.48
Ethyl Parathion	0.076	U	0.076	0.95
Famphur	0.10	U	0.10	1.9
Phorate	0.15	U	0.15	0.95
Thionazin	0.058	U	0.058	0.95
Dimethoate	0.30	U	0.30	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Triphenylphosphate (TPP)	83		37 - 139

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1
Client Matrix: Water

Date Sampled: 07/21/2009 1515
Date Received: 07/22/2009 0800

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 660-82824		Instrument ID:	BSGJ
Preparation:	8151A	Prep Batch: 660-82489		Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/05/2009 0524			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 1232			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,4,5-T	0.95	U	0.95	4.7
2,4-D	0.95	U	0.95	4.7
Dinoseb	0.95	U	0.95	5.7
Silvex (2,4,5-TP)	0.95	U	0.95	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	61		33 - 120

Client: SCS Engineers

Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2
Client Matrix: Water

Date Sampled: 07/21/2009 1440
Date Received: 07/22/2009 0800

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 660-82824		Instrument ID:	BSGJ
Preparation:	8151A	Prep Batch: 660-82489		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/05/2009 0555			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 1232			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,4,5-T	0.96	U	0.96	4.8
2,4-D	0.96	U	0.96	4.8
Dinoseb	0.96	U	0.96	5.8
Silvex (2,4,5-TP)	0.96	U	0.96	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	63		33 - 120

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 660-82824		Instrument ID:	BSGJ
Preparation:	8151A	Prep Batch: 660-82489		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/05/2009 0611			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 1232			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
2,4-D	0.96	U	0.96	4.8
2,4,5-T	0.96	U	0.96	4.8
Silvex (2,4,5-TP)	0.96	U	0.96	4.8
Dinoseb	0.96	U	0.96	5.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	119		33 - 120

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-82265		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-82207		Lab File ID:	9G23A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/23/2009 1402			Final Weight/Volume:	50 mL
Date Prepared:	07/23/2009 0704				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.45		0.050	0.20
Arsenic	0.0091	I	0.0040	0.010
Barium	0.058		0.0020	0.010
Beryllium	0.00050	U	0.00050	0.0020
Cadmium	0.0010	U	0.0010	0.0040
Silver	0.0010	U	0.0010	0.0040
Cobalt	0.011		0.0020	0.010
Chromium	0.0058	I	0.0020	0.010
Copper	0.014		0.0029	0.010
Nickel	0.046		0.0020	0.0080
Lead	0.0020	U	0.0020	0.010
Iron	0.068	I	0.050	0.20
Selenium	0.0050	U	0.0050	0.020
Tin	0.0060	U	0.0060	0.050
Thallium	0.0050	U	0.0050	0.020
Vanadium	0.0025	U	0.0025	0.010
Zinc	0.020	I	0.0050	0.020

Method:	6010B	Analysis Batch: 660-82265		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-82207		Lab File ID:	9G23A
Dilution:	20			Initial Weight/Volume:	50 mL
Date Analyzed:	07/23/2009 1500			Final Weight/Volume:	50 mL
Date Prepared:	07/23/2009 0704				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	430		6.2	10

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 660-82358		Instrument ID:	PS200II
Preparation:	7470A	Prep Batch: 660-82319		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/24/2009 1353			Final Weight/Volume:	25 mL
Date Prepared:	07/24/2009 1015				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000072	U J3	0.000072	0.00020

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 Date Sampled: 07/21/2009 1440
Client Matrix: Water Date Received: 07/22/2009 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-82265		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-82207		Lab File ID:	9G23A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/23/2009 1408			Final Weight/Volume:	50 mL
Date Prepared:	07/23/2009 0704				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.050	U	0.050	0.20
Arsenic	0.0040	U	0.0040	0.010
Barium	0.0020	U	0.0020	0.010
Beryllium	0.00050	U	0.00050	0.0020
Cadmium	0.0010	U	0.0010	0.0040
Silver	0.0010	U	0.0010	0.0040
Cobalt	0.0020	U	0.0020	0.010
Chromium	0.0020	U	0.0020	0.010
Copper	0.0029	U	0.0029	0.010
Nickel	0.0020	U	0.0020	0.0080
Lead	0.0020	U	0.0020	0.010
Iron	0.050	U	0.050	0.20
Selenium	0.0050	U	0.0050	0.020
Tin	0.0060	U	0.0060	0.050
Thallium	0.0050	U	0.0050	0.020
Vanadium	0.0025	U	0.0025	0.010
Zinc	0.0050	U	0.0050	0.020
Sodium	0.33	I	0.31	0.50

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 660-82358		Instrument ID:	PS200II
Preparation:	7470A	Prep Batch: 660-82319		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/24/2009 1359			Final Weight/Volume:	25 mL
Date Prepared:	07/24/2009 1015				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000079	I	0.000072	0.00020

Client: SCS Engineers Job Number: 660-30753-1

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-82265		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-82207		Lab File ID:	9G23A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/23/2009 1414			Final Weight/Volume:	50 mL
Date Prepared:	07/23/2009 0704				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.18	I	0.050	0.20
Arsenic	0.050		0.0040	0.010
Barium	0.038		0.0020	0.010
Beryllium	0.00050	U	0.00050	0.0020
Cadmium	0.0010	U	0.0010	0.0040
Silver	0.0010	U	0.0010	0.0040
Cobalt	0.017		0.0020	0.010
Chromium	0.012		0.0020	0.010
Copper	0.0035	I	0.0029	0.010
Nickel	0.068		0.0020	0.0080
Lead	0.0020	U	0.0020	0.010
Iron	20		0.050	0.20
Selenium	0.0050	U	0.0050	0.020
Tin	0.0060	U	0.0060	0.050
Thallium	0.0050	U	0.0050	0.020
Vanadium	0.0057	I	0.0025	0.010
Zinc	0.011	I	0.0050	0.020

Method:	6010B	Analysis Batch: 660-82265		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-82207		Lab File ID:	9G23A
Dilution:	20			Initial Weight/Volume:	50 mL
Date Analyzed:	07/23/2009 1506			Final Weight/Volume:	50 mL
Date Prepared:	07/23/2009 0704				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	600		6.2	10

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 660-82358		Instrument ID:	PS200II
Preparation:	7470A	Prep Batch: 660-82319		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/24/2009 1402			Final Weight/Volume:	25 mL
Date Prepared:	07/24/2009 1015				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000072	U	0.000072	0.00020

General Chemistry

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515
Client Matrix: Water Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	710		mg/L	2.0	5.0	10	300.0
Analysis Batch: 660-82656	Date Analyzed: 07/31/2009 1202						
Total Dissolved Solids	1800		mg/L	20	20	1.0	SM 2540C
Analysis Batch: 640-58965	Date Analyzed: 07/23/2009 1516						
Ammonia (as N)	0.16		mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-82509	Date Analyzed: 07/28/2009 1618						
Cyanide	0.014		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 660-82380	Date Analyzed: 07/25/2009 1448						
Prep Batch: 660-82378	Date Prepared: 07/25/2009 1400						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-82291	Date Analyzed: 07/23/2009 1600						

General Chemistry

Client Sample ID: **Equipment Blank**

Lab Sample ID: 660-30753-2 Date Sampled: 07/21/2009 1440
Client Matrix: Water Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	0.20	U	mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-82656	Date Analyzed: 07/31/2009 1235						
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 640-58965	Date Analyzed: 07/23/2009 1516						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-82509	Date Analyzed: 07/28/2009 1619						
Cyanide	0.0050	U	mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 660-82380	Date Analyzed: 07/25/2009 1450						
Prep Batch: 660-82378	Date Prepared: 07/25/2009 1400						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-82291	Date Analyzed: 07/23/2009 1600						

General Chemistry

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500
Client Matrix: Water Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Ammonia (as N)	380		mg/L	1.0	2.0	100	350.1
Analysis Batch: 660-82623	Date Analyzed: 07/30/2009 1439						
Chloride	810		mg/L	2.0	5.0	10	300.0
Analysis Batch: 660-82656	Date Analyzed: 07/31/2009 1307						
Nitrate Nitrite as N	0.98		mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-82236	Date Analyzed: 07/22/2009 1435						
Total Dissolved Solids	2600		mg/L	20	20	1.0	SM 2540C
Analysis Batch: 640-58965	Date Analyzed: 07/23/2009 1516						
Cyanide	0.0061	I	mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 660-82380	Date Analyzed: 07/25/2009 1451						
Prep Batch: 660-82378	Date Prepared: 07/25/2009 1400						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Alkalinity	1800		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-82276	Date Analyzed: 07/23/2009 1428						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-82291	Date Analyzed: 07/23/2009 1600						
Bicarbonate Alkalinity as CaCO3	1800		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-82276	Date Analyzed: 07/23/2009 1428						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-82276	Date Analyzed: 07/23/2009 1428						
Hydroxide Alkalinity	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-82276	Date Analyzed: 07/23/2009 1428						
Phenolphthalein Alkalinity	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-82276	Date Analyzed: 07/23/2009 1428						

Field Service / Mobile Lab

Client Sample ID: **Effluent Leachate**

Lab Sample ID: 660-30753-1 Date Sampled: 07/21/2009 1515

Client Matrix: Water Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Lite Brown		Color Units	1.0	Field Sampling	660-83381	07/21/2009 1515
Field pH	7.49		SU	1.0	Field Sampling	660-83381	07/21/2009 1515
Oxidation Reduction Potential	na		millivolts	1.0	Field Sampling	660-83381	07/21/2009 1515
Oxygen, Dissolved	1.34		mg/L	1.0	Field Sampling	660-83381	07/21/2009 1515
Sheen	No Sheen		SU	1.0	Field Sampling	660-83381	07/21/2009 1515
Specific Conductance	3462		umhos/cm	1.0	Field Sampling	660-83381	07/21/2009 1515

Field Service / Mobile Lab

Client Sample ID: **Influent Leachate Comps.**

Lab Sample ID: 660-30753-3 Date Sampled: 07/21/2009 1500

Client Matrix: Water Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Brown		Color Units	1.0	Field Sampling	660-83381	07/21/2009 1500
Field pH	6.97		SU	1.0	Field Sampling	660-83381	07/21/2009 1500
Oxidation Reduction Potential	na		millivolts	1.0	Field Sampling	660-83381	07/21/2009 1500
Oxygen, Dissolved	0.79		mg/L	1.0	Field Sampling	660-83381	07/21/2009 1500
Sheen	No Sheen		SU	1.0	Field Sampling	660-83381	07/21/2009 1500
Specific Conductance	6795		umhos/cm	1.0	Field Sampling	660-83381	07/21/2009 1500

DATA REPORTING QUALIFIERS

Client: SCS Engineers Job Number: 660-30753-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC/MS Semi VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	D1	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

DATA REPORTING QUALIFIERS

Client: SCS Engineers Job Number: 660-30753-1

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82267

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-82267/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1209
Date Prepared: 07/23/2009 1209

Analysis Batch: 660-82267
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG2309.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acetonitrile	75	U	75	200
Acrolein	3.8	U	3.8	100
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Dibromochloromethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
3-Chloro-1-propene	2.5	U	2.5	5.0
2-Chloro-1,3-butadiene	2.5	U	2.5	5.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Bromodichloromethane	0.35	U	0.35	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Dichlorodifluoromethane	2.5	U	2.5	5.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,3-Dichloropropane	0.39	U	0.39	1.0
2,2-Dichloropropane	0.36	U	0.36	1.0
1,1-Dichloropropene	0.31	U	0.31	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethyl methacrylate	2.5	U	2.5	5.0
2-Hexanone	4.4	U	4.4	10
Iodomethane	2.5	U	2.5	5.0
Isobutyl alcohol	31	U	31	200
Methacrylonitrile	1.8	U	1.8	100
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82267

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-82267/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1209
Date Prepared: 07/23/2009 1209

Analysis Batch: 660-82267
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG2309.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Methylene Chloride	4.0	U	4.0	5.0
Methyl methacrylate	2.5	U	2.5	5.0
Propionitrile	7.2	U	7.2	100
Styrene	0.98	U	0.98	2.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Tetrachloroethene	0.50	U	0.50	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
Toluene	0.51	U	0.51	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	70 - 130
Dibromofluoromethane	97	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Lab Control Sample - Batch: 660-82267

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-82267/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1123
Date Prepared: 07/23/2009 1123

Analysis Batch: 660-82267
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG2307.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	15.6	78	64 - 140	
Chlorobenzene	20.0	15.9	80	70 - 130	
1,1-Dichloroethene	20.0	16.2	81	51 - 157	
Toluene	20.0	14.6	73	70 - 131	
Trichloroethene	20.0	15.0	75	59 - 142	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	100	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82267

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	640-22966-A-1 MS	Analysis Batch: 660-82267	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG2313.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1340		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1340		

MSD Lab Sample ID:	640-22966-A-1 MSD	Analysis Batch: 660-82267	Instrument ID: BVMJ GC/MS
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 1JG2314.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	07/23/2009 1402		Final Weight/Volume: 5 mL
Date Prepared:	07/23/2009 1402		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	71	81	64 - 140	13	30		
Chlorobenzene	77	88	70 - 130	13	30		
1,1-Dichloroethene	67	77	51 - 157	15	30		
Toluene	65	83	70 - 131	24	30	J3	
Trichloroethene	70	80	59 - 142	14	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	98	70 - 130
Dibromofluoromethane	98	96	70 - 130
Toluene-d8 (Surr)	95	103	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 660-82182/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1451
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
Acenaphthene	1.5	U	1.5	10
Acenaphthylene	1.8	U	1.8	10
Anthracene	1.0	U	1.0	10
Benzo[a]anthracene	1.6	U	1.6	10
Benzo[k]fluoranthene	1.3	U	1.3	10
Benzo[b]fluoranthene	1.6	U	1.6	10
Benzo[g,h,i]perylene	1.1	U	1.1	10
Benzo[a]pyrene	0.99	U	0.99	4.0
Benzyl alcohol	2.9	U	2.9	10
Bis(2-chloroethoxy)methane	2.0	U	2.0	10
Bis(2-chloroethyl)ether	2.6	U	2.6	10
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Bis(2-ethylhexyl) phthalate	1.3	U	1.3	6.0
4-Bromophenyl phenyl ether	1.7	U	1.7	10
Butyl benzyl phthalate	1.2	U	1.2	10
4-Chloroaniline	2.1	U	2.1	20
1,3-Dichlorobenzene	1.1	U	1.1	10
1,4-Dichlorobenzene	1.2	U	1.2	10
1,2-Dichlorobenzene	1.1	U	1.1	10
4-Chlorophenyl phenyl ether	1.8	U	1.8	10
2-Chloronaphthalene	1.6	U	1.6	10
Chrysene	1.2	U	1.2	10
Dibenz(a,h)anthracene	1.0	U	1.0	10
Di-n-butyl phthalate	2.5	U	2.5	10
3,3'-Dichlorobenzidine	1.6	U	1.6	20
Diethyl phthalate	2.5	U	2.5	10
Dimethyl phthalate	2.5	U	2.5	10
2,4-Dinitrotoluene	0.91	U	0.91	10
2,6-Dinitrotoluene	0.72	U	0.72	10
Di-n-octyl phthalate	2.5	U	2.5	10
N-Nitrosodi-n-propylamine	1.9	U	1.9	10
Fluoranthene	1.2	U	1.2	10
Fluorene	1.7	U	1.7	10
Hexachlorobenzene	1.7	U	1.7	4.0
Hexachlorobutadiene	1.0	U	1.0	10
Hexachlorocyclopentadiene	1.2	U	1.2	10
Hexachloroethane	0.85	U	0.85	10
Indeno[1,2,3-cd]pyrene	1.2	U	1.2	10
Isophorone	1.4	U	1.4	10
2-Methylnaphthalene	1.6	U	1.6	10
Naphthalene	1.3	U	1.3	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 660-82182/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1451
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
2-Nitroaniline	1.4	U	1.4	50
3-Nitroaniline	1.2	U	1.2	50
4-Nitroaniline	1.4	U	1.4	50
Nitrobenzene	1.9	U	1.9	10
N-Nitrosodimethylamine	2.4	U	2.4	10
N-Nitrosodiphenylamine	1.6	U	1.6	10
Phenanthrene	1.3	U	1.3	10
Pyrene	1.2	U	1.2	10
1,2,4-Trichlorobenzene	1.2	U	1.2	10
2-Chlorophenol	2.1	U	2.1	10
2-Methylphenol	2.3	U	2.3	10
4-Nitrophenol	6.2	U	6.2	50
2,4-Dichlorophenol	1.8	U	1.8	10
2,6-Dichlorophenol	1.6	U	1.6	10
2,4-Dimethylphenol	1.8	U	1.8	10
4,6-Dinitro-2-methylphenol	1.5	U	1.5	50
2,4-Dinitrophenol	6.2	U	6.2	50
Pentachlorophenol	1.5	U	1.5	15
Phenol	2.4	U	2.4	4.0
2,4,5-Trichlorophenol	2.1	U	2.1	10
2,4,6-Trichlorophenol	1.9	U	1.9	10
2,3,4,6-Tetrachlorophenol	0.65	U	0.65	10
2-Nitrophenol	1.2	U	1.2	10
4-Chloro-3-methylphenol	1.7	U	1.7	10
Dibenzofuran	1.6	U	1.6	10
3 & 4 Methylphenol	2.4	U	2.4	10
1-Methylnaphthalene	1.3	U	1.3	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	78	34 - 130
2-Fluorobiphenyl	83	36 - 124
Terphenyl-d14	101	14 - 148
Phenol-d5	66	25 - 128
2-Fluorophenol	77	29 - 121
2,4,6-Tribromophenol	93	29 - 143

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 660-82182/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 2351
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82615
Prep Batch: 660-82182
Units: ug/L

Instrument ID: BSMC5973
Lab File ID: 1CG28036.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
2-Acetylaminofluorene	0.77	U	0.77	10
4-Aminobiphenyl	0.81	U	0.81	10
3,3'-Dimethylbenzidine	14	U	14	20
p-Dimethylamino azobenzene	0.67	U	0.67	10
7,12-Dimethylbenz(a)anthracene	0.92	U	0.92	10
Isosafrole	1.6	U	1.6	10
Methapyrilene	1.1	U	1.1	2000
3-Methylcholanthrene	0.56	U	0.56	10
Methyl methanesulfonate	1.2	U	1.2	10
1,4-Naphthoquinone	1.1	U	1.1	10
1-Naphthylamine	0.84	U	0.84	10
2-Naphthylamine	1.0	U	1.0	10
N-Nitrosodi-n-butylamine	1.5	U	1.5	10
N-Nitrosodiethylamine	1.5	U	1.5	10
N-Nitrosomethylethylamine	1.6	U	1.6	10
N-Nitrosopiperidine	0.87	U	0.87	10
N-Nitrosopyrrolidine	1.2	U	1.2	10
N-Nitro-o-toluidine	0.90	U	0.90	10
Pentachlorobenzene	0.99	U	0.99	10
Pentachloronitrobenzene	1.5	U	1.5	10
Phenacetin	0.84	U	0.84	10
Pronamide	0.70	U	0.70	10
Safrole, Total	1.2	U	1.2	10
Diallate	1.4	U	1.4	10
Ethyl methanesulfonate	1.3	U	1.3	10
p-Phenylene diamine	3.1	U	3.1	2000
2-Toluidine	1.2	U	1.2	10
o,o',o''-Triethylphosphorothioate	1.8	U	1.8	10
Hexachloropropene	0.66	U	0.66	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Lab Control Sample - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: LCS 660-82182/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1520
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23010.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	100	89.7	90	36 - 121	
1,4-Dichlorobenzene	100	68.8	69	27 - 130	
2,4-Dinitrotoluene	100	99.9	100	37 - 129	
N-Nitrosodi-n-propylamine	100	88.3	88	31 - 138	
Pyrene	100	98.9	99	31 - 139	
1,2,4-Trichlorobenzene	100	73.2	73	28 - 110	
2-Chlorophenol	100	81.1	81	38 - 115	
4-Nitrophenol	100	70.9	71	12 - 143	
Pentachlorophenol	100	114	114	19 - 148	
Phenol	100	59.7	60	33 - 122	
4-Chloro-3-methylphenol	100	93.0	93	34 - 126	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	93	34 - 130
2-Fluorobiphenyl	96	36 - 124
Terphenyl-d14	101	14 - 148
Phenol-d5	71	25 - 128
2-Fluorophenol	82	29 - 121
2,4,6-Tribromophenol	106	29 - 143

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: 660-30692-C-1-A MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1913
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23018.D
Initial Weight/Volume: 1055 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.4	U	94.8	52.8	56	36 - 121	
1,4-Dichlorobenzene	1.1	U	94.8	53.4	56	27 - 130	
2,4-Dinitrotoluene	0.86	U	94.8	75.7	80	37 - 129	
N-Nitrosodi-n-propylamine	1.8	U	94.8	64.0	67	31 - 138	
Pyrene	1.1	U	94.8	37.8	40	31 - 139	
1,2,4-Trichlorobenzene	1.1	U	94.8	49.5	52	28 - 110	
2-Chlorophenol	2.0	U	94.8	36.8	39	38 - 115	
4-Nitrophenol	5.9	U	94.8	5.9	0	12 - 143	J3
Pentachlorophenol	1.4	U	94.8	39.7	42	19 - 148	
Phenol	2.3	U	94.8	26.3	28	33 - 122	J3
4-Chloro-3-methylphenol	1.6	U	94.8	1.6	0	34 - 126	J3

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	81	34 - 130
2-Fluorobiphenyl	44	36 - 124
Terphenyl-d14	17	14 - 148
Phenol-d5	25	25 - 128
2-Fluorophenol	50	29 - 121
2,4,6-Tribromophenol	49	29 - 143

Calculations are performed before rounding to avoid round-off errors in calculated results.

Duplicate - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 2009
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23020.D
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Acenaphthene	1.4	U	1.4	NC	35	U
Acenaphthylene	1.7	U	1.7	NC	28	U
Anthracene	0.95	U	0.94	NC	21	U
Benzo[a]anthracene	1.5	U	1.5	NC	34	U
Benzo[k]fluoranthene	1.2	U	1.2	NC	34	U
Benzo[b]fluoranthene	1.5	U	1.5	NC	32	U
Benzo[g,h,i]perylene	1.0	U	1.0	NC	39	U
Benzo[a]pyrene	0.94	U	0.93	NC	24	U
Benzyl alcohol	2.7	U	2.7	NC	32	U
Bis(2-chloroethoxy)methane	1.9	U	1.9	NC	20	U
Bis(2-chloroethyl)ether	2.5	U	2.5	NC	58	U
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	NC	23	U
Bis(2-ethylhexyl) phthalate	1.2	U	1.2	NC	26	U
4-Bromophenyl phenyl ether	1.6	U	1.6	NC	26	U
Butyl benzyl phthalate	1.1	U	1.1	NC	41	U
4-Chloroaniline	2.0	U	2.0	NC	67	U
1,3-Dichlorobenzene	1.0	U	1.0	NC	26	U
1,4-Dichlorobenzene	1.1	U	1.1	NC	31	U
1,2-Dichlorobenzene	1.0	U	1.0	NC	30	U
4-Chlorophenyl phenyl ether	1.7	U	1.7	NC	26	U
2-Chloronaphthalene	1.5	U	1.5	NC	22	U
Chrysene	1.1	U	1.1	NC	31	U
Dibenz(a,h)anthracene	0.95	U	0.94	NC	35	U
Di-n-butyl phthalate	2.4	U	2.4	NC	29	U
3,3'-Dichlorobenzidine	1.5	U	1.5	NC	72	U
Diethyl phthalate	2.4	U	2.4	NC	49	U
Dimethyl phthalate	2.4	U	2.4	NC	31	U
2,4-Dinitrotoluene	0.86	U	0.86	NC	32	U
2,6-Dinitrotoluene	0.68	U	0.68	NC	24	U
Di-n-octyl phthalate	2.4	U	2.4	NC	33	U
N-Nitrosodi-n-propylamine	1.8	U	1.8	NC	30	U
Fluoranthene	1.1	U	1.1	NC	24	U
Fluorene	1.6	U	1.6	NC	23	U
Hexachlorobenzene	1.6	U	1.6	NC	31	U
Hexachlorobutadiene	0.95	U	0.94	NC	30	U
Hexachlorocyclopentadiene	1.1	U	1.1	NC	67	U
Hexachloroethane	0.81	U	0.80	NC	35	U
Indeno[1,2,3-cd]pyrene	1.1	U	1.1	NC	38	U
Isophorone	1.3	U	1.3	NC	33	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Duplicate - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 2009
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82323
Prep Batch: 660-82182
Units: ug/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG23020.D
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
2-Methylnaphthalene	1.5	U	1.5	NC	30	U
Naphthalene	1.2	U	1.2	NC	33	U
2-Nitroaniline	1.3	U	1.3	NC	49	U
3-Nitroaniline	1.1	U	1.1	NC	57	U
4-Nitroaniline	1.3	U	1.3	NC	39	U
Nitrobenzene	1.8	U	1.8	NC	21	U
N-Nitrosodimethylamine	2.3	U	2.3	NC	31	U
N-Nitrosodiphenylamine	1.5	U	1.5	NC	25	U
Phenanthrene	1.2	U	1.2	NC	20	U
Pyrene	1.1	U	1.1	NC	42	U
1,2,4-Trichlorobenzene	1.1	U	1.1	NC	28	U
2-Chlorophenol	2.0	U	2.0	NC	34	U
2-Methylphenol	2.2	I	2.2	NC	33	U
4-Nitrophenol	5.9	U	5.8	NC	44	U
2,4-Dichlorophenol	1.7	U	1.7	NC	30	U
2,6-Dichlorophenol	1.5	U	1.5	NC	50	U
2,4-Dimethylphenol	1.7	U	1.7	NC	43	U
4,6-Dinitro-2-methylphenol	1.4	U	1.4	NC	33	U
2,4-Dinitrophenol	5.9	U	5.8	NC	63	U
Pentachlorophenol	1.4	U	1.4	NC	33	U
Phenol	2.3	U	2.3	NC	36	U
2,4,5-Trichlorophenol	2.0	U	2.0	NC	28	U
2,4,6-Trichlorophenol	1.8	U	1.8	NC	22	U
2,3,4,6-Tetrachlorophenol	0.62	U	0.61	NC	31	U
2-Nitrophenol	1.1	U	1.1	NC	24	U
4-Chloro-3-methylphenol	1.6	U	1.6	NC	31	U
Dibenzofuran	1.5	U	1.5	NC	20	U
3 & 4 Methylphenol	2.3	U	2.3	NC	27	U
1-Methylnaphthalene	1.2	U	1.2	NC	50	U

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	84	34 - 130
2-Fluorobiphenyl	76	36 - 124
Terphenyl-d14	28	14 - 148
Phenol-d5	58	25 - 128
2-Fluorophenol	63	29 - 121
2,4,6-Tribromophenol	74	29 - 143

Calculations are performed before rounding to avoid round-off errors in calculated results.

Duplicate - Batch: 660-82182

Method: 8270C
Preparation: 3520C

Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/29/2009 0031
Date Prepared: 07/22/2009 1358

Analysis Batch: 660-82615
Prep Batch: 660-82182
Units: ug/L

Instrument ID: BSMC5973
Lab File ID: 1CG28038.D
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
2-Acetylaminofluorene	0.73	U	0.73	NC	50	U
4-Aminobiphenyl	0.77	U	0.76	NC	50	U
3,3'-Dimethylbenzidine	13	U	13	NC	100	U
p-Dimethylamino azobenzene	0.64	U	0.63	NC	50	U
7,12-Dimethylbenz(a)anthracene	0.87	U	0.87	NC	50	U
Isosafrole	1.5	U	1.5	NC	50	U
Methapyrilene	1.0	U	1.0	NC	100	U
3-Methylcholanthrene	0.53	U	0.53	NC	50	U
Methyl methanesulfonate	1.1	U	1.1	NC	50	U
1,4-Naphthoquinone	1.0	U	1.0	NC	50	U
1-Naphthylamine	0.80	U	0.79	NC	50	U
2-Naphthylamine	0.95	U	0.94	NC	50	U
N-Nitrosodi-n-butylamine	1.4	U	1.4	NC	50	U
N-Nitrosodiethylamine	1.4	U	1.4	NC	50	U
N-Nitrosomethylethylamine	1.5	U	1.5	NC	50	U
N-Nitrosopiperidine	0.82	U	0.82	NC	50	U
N-Nitrosopyrrolidine	1.1	U	1.1	NC	50	U
N-Nitro-o-toluidine	0.85	U	0.85	NC	50	U
Pentachlorobenzene	0.94	U	0.93	NC	50	U
Pentachloronitrobenzene	1.4	U	1.4	NC	50	U
Phenacetin	0.80	U	0.79	NC	50	U
Pronamide	0.66	U	0.66	NC	50	U
Safrole, Total	1.1	U	1.1	NC	50	U
Diallate	1.3	U	1.3	NC	50	U
Ethyl methanesulfonate	1.2	U	1.2	NC	50	U
p-Phenylene diamine	2.9	U	2.9	NC	100	U
2-Toluidine	1.1	U	1.1	NC	50	U
o,o',o''-Triethylphosphorothioate	1.7	U	1.7	NC	50	U
Hexachloropropene	0.63	U	0.62	NC	50	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82309

Method: 8011
Preparation: 8011

Lab Sample ID: MB 660-82309/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1627
Date Prepared: 07/23/2009 1230

Analysis Batch: 660-82476
Prep Batch: 660-82309
Units: ug/L

Instrument ID: HP 5890 DUAL ECD
Lab File ID: 1G23U011.D
Initial Weight/Volume: 34.9616 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	85	60 - 140

Lab Control Sample - Batch: 660-82309

Method: 8011
Preparation: 8011

Lab Sample ID: LCS 660-82309/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1648
Date Prepared: 07/23/2009 1230

Analysis Batch: 660-82476
Prep Batch: 660-82309
Units: ug/L

Instrument ID: HP 5890 DUAL ECD
Lab File ID: 1G23U012.D
Initial Weight/Volume: 34.9884 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.250	0.198	79	60 - 140	
Ethylene Dibromide	0.250	0.218	87	60 - 140	

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	83	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike - Batch: 660-82309

Method: 8011
Preparation: 8011

Lab Sample ID: 660-30729-J-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1731
Date Prepared: 07/23/2009 1230

Analysis Batch: 660-82476
Prep Batch: 660-82309
Units: ug/L

Instrument ID: HP 5890 DUAL ECD
Lab File ID: 1G23U014.D
Initial Weight/Volume: 37.3056 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.0096	U	0.235	0.136	58	60 - 140	J3
Ethylene Dibromide	0.0096	U	0.235	0.148	63	60 - 140	

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	61	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82302

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 660-82302/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1826
Date Prepared: 07/24/2009 0603

Analysis Batch: 660-82451
Prep Batch: 660-82302
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G24J014.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
4,4'-DDD	0.0041	U	0.0041	0.010
4,4'-DDE	0.0055	U	0.0055	0.010
4,4'-DDT	0.0032	U	0.0032	0.010
Aldrin	0.0018	U	0.0018	0.010
alpha-BHC	0.0028	U	0.0028	0.010
alpha-Chlordane	0.0034	U	0.0034	0.050
beta-BHC	0.0027	U	0.0027	0.010
Chlordane (technical)	0.057	U	0.057	0.50
delta-BHC	0.0028	U	0.0028	0.010
Dieldrin	0.0014	U	0.0014	0.010
Endosulfan I	0.0034	U	0.0034	0.010
Endosulfan II	0.0033	U	0.0033	0.010
Endosulfan sulfate	0.0030	U	0.0030	0.010
Endrin	0.0031	U	0.0031	0.010
Endrin aldehyde	0.0032	U	0.0032	0.010
Endrin ketone	0.0054	U	0.0054	0.10
gamma-BHC (Lindane)	0.0026	U	0.0026	0.010
gamma-Chlordane	0.0036	U	0.0036	0.050
Heptachlor	0.0031	U	0.0031	0.010
Heptachlor epoxide	0.0031	U	0.0031	0.010
Methoxychlor	0.0051	U	0.0051	0.010
Toxaphene	0.72	U	0.72	3.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	30 - 150
Tetrachloro-m-xylene	63	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82302

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 660-82302/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2009 2018
Date Prepared: 07/24/2009 0603

Analysis Batch: 660-82451
Prep Batch: 660-82302
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G27J023.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Ethyl 4,4'-Dichlorobenzilate	0.075	U	0.075	0.50
Isodrin	0.0061	U	0.0061	0.050
Kepone	0.083	U	0.083	1.0

Lab Control Sample - Batch: 660-82302

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 660-82302/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1840
Date Prepared: 07/24/2009 0603

Analysis Batch: 660-82451
Prep Batch: 660-82302
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G24J015.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDT	0.500	0.505	101	37 - 150	
Aldrin	0.500	0.399	80	32 - 120	
Dieldrin	0.500	0.481	96	40 - 142	
Endrin	0.500	0.505	101	36 - 137	
gamma-BHC (Lindane)	0.500	0.457	91	24 - 118	
Heptachlor	0.500	0.409	82	34 - 114	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	80	30 - 150
Tetrachloro-m-xylene	67	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82302

Method: 8081A
Preparation: 3510C

MS Lab Sample ID:	660-30753-1	Analysis Batch: 660-82451	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-82302	Lab File ID: 1G24J021.D
Dilution:	10		Initial Weight/Volume: 1050 mL
Date Analyzed:	07/24/2009 2000		Final Weight/Volume: 10 mL
Date Prepared:	07/24/2009 0603		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	660-30753-1	Analysis Batch: 660-82451	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Water	Prep Batch: 660-82302	Lab File ID: 1G24J024.D
Dilution:	10		Initial Weight/Volume: 1050 mL
Date Analyzed:	07/24/2009 2040		Final Weight/Volume: 10 mL
Date Prepared:	07/24/2009 0603		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDT	74	72	37 - 150	2	27		
Aldrin	85	84	32 - 120	1	25		
Dieldrin	92	88	40 - 142	4	42		
Endrin	93	93	36 - 137	0	25		
gamma-BHC (Lindane)	112	112	24 - 118	0	26		
Heptachlor	131	129	34 - 114	2	26	J3	J3

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D1	0	D1	30 - 150
Tetrachloro-m-xylene	0	D1	0	D1	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82302

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 660-82302/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1345
Date Prepared: 07/24/2009 0603

Analysis Batch: 660-82431
Prep Batch: 660-82302
Units: ug/L

Instrument ID: Agilent 6890 ECD/ECD
Lab File ID: 1G24K014.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
PCB-1016	0.26	U	0.26	0.50
PCB-1221	0.15	U	0.15	0.50
PCB-1232	0.38	U	0.38	0.50
PCB-1242	0.23	U	0.23	0.50
PCB-1248	0.13	U	0.13	0.50
PCB-1254	0.12	U	0.12	0.50
PCB-1260	0.32	U	0.32	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	30 - 150
Tetrachloro-m-xylene	75	30 - 150

Lab Control Sample - Batch: 660-82302

Method: 8082
Preparation: 3510C

Lab Sample ID: LCS 660-82302/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1402
Date Prepared: 07/24/2009 0603

Analysis Batch: 660-82431
Prep Batch: 660-82302
Units: ug/L

Instrument ID: Agilent 6890 ECD/ECD
Lab File ID: 1G24K015.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	5.00	2.89	58	45 - 134	
PCB-1260	5.00	5.05	101	41 - 144	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	74	30 - 150
Tetrachloro-m-xylene	71	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82302

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	660-30753-2	Analysis Batch: 660-82431	Instrument ID: Agilent 6890 ECD/ECD
Client Matrix:	Water	Prep Batch: 660-82302	Lab File ID: 1G27K009.D
Dilution:	1.0		Initial Weight/Volume: 1040 mL
Date Analyzed:	07/27/2009 1233		Final Weight/Volume: 10 mL
Date Prepared:	07/24/2009 0603		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	660-30753-2	Analysis Batch: 660-82431	Instrument ID: Agilent 6890 ECD/ECD
Client Matrix:	Water	Prep Batch: 660-82302	Lab File ID: 1G27K010.D
Dilution:	1.0		Initial Weight/Volume: 1040 mL
Date Analyzed:	07/27/2009 1247		Final Weight/Volume: 10 mL
Date Prepared:	07/24/2009 0603		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	69	65	45 - 134	5	34		
PCB-1260	107	96	41 - 144	11	34		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	69	60	30 - 150
Tetrachloro-m-xylene	85	92	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 640-58925

Method: 8141A
Preparation: 3520C

Lab Sample ID: MB 640-58925/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1140
Date Prepared: 07/23/2009 1420

Analysis Batch: 640-59113
Prep Batch: 640-58925
Units: ug/L

Instrument ID: SGF Varian 3400
Lab File ID: 1G28F8.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Disulfoton	0.12	U	0.12	2.0
Methyl parathion	0.12	U	0.12	0.50
Ethyl Parathion	0.080	U	0.080	1.0
Famphur	0.11	U	0.11	2.0
Phorate	0.16	U	0.16	1.0
Thionazin	0.061	U	0.061	1.0
Dimethoate	0.32	U	0.32	2.0

Surrogate	% Rec	Acceptance Limits
Triphenylphosphate (TPP)	114	37 - 139

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-58925

Method: 8141A
Preparation: 3520C

LCS Lab Sample ID: LCS 640-58925/6-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1514
Date Prepared: 07/23/2009 1420

Analysis Batch: 640-59113
Prep Batch: 640-58925
Units: ug/L

Instrument ID: SGF Varian 3400
Lab File ID: 1G28F23.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 640-58925/7-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1529
Date Prepared: 07/23/2009 1420

Analysis Batch: 640-59113
Prep Batch: 640-58925
Units: ug/L

Instrument ID: SGF Varian 3400
Lab File ID: 1G28F24.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl parathion	103	118	43 - 140	13	30		
Ethyl Parathion	101	116	49 - 134	14	30		
Thionazin	77	87	47 - 134	12	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Triphenylphosphate (TPP)	97	110	37 - 139

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-58925

Method: 8141A
Preparation: 3520C

MS Lab Sample ID:	640-22959-H-1-A MS	Analysis Batch: 640-59113	Instrument ID: SGF Varian 3400
Client Matrix:	Water	Prep Batch: 640-58925	Lab File ID: 1G28F19.d
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	07/28/2009 1417		Final Weight/Volume: 2.5 mL
Date Prepared:	07/23/2009 1420		Injection Volume: 1 uL
			Column ID: PRIMARY
MSD Lab Sample ID:	640-22959-H-1-B MSD	Analysis Batch: 640-59113	Instrument ID: SGF Varian 3400
Client Matrix:	Water	Prep Batch: 640-58925	Lab File ID: 1G28F20.d
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	07/28/2009 1432		Final Weight/Volume: 2.5 mL
Date Prepared:	07/23/2009 1420		Injection Volume: 1 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl parathion	99	107	32 - 137	8	48		
Ethyl Parathion	95	107	32 - 138	12	44		
Thionazin	66	80	30 - 155	19	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Triphenylphosphate (TPP)	111	106	37 - 139

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82489

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 660-82489/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2009 0350
Date Prepared: 07/28/2009 1232

Analysis Batch: 660-82824
Prep Batch: 660-82489
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H04J063.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
2,4,5-T	1.0	U	1.0	5.0
2,4-D	1.0	U	1.0	5.0
Dinoseb	1.0	U	1.0	6.0
Silvex (2,4,5-TP)	1.0	U	1.0	5.0

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	63	33 - 120

Lab Control Sample - Batch: 660-82489

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 660-82489/2-A
Client Matrix: Water
Dilution: 4.0
Date Analyzed: 08/05/2009 0406
Date Prepared: 07/28/2009 1232

Analysis Batch: 660-82824
Prep Batch: 660-82489
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H04J064.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,5-T	5.00	4.0	74	15 - 155	
2,4-D	5.00	4.0	75	10 - 166	
Silvex (2,4,5-TP)	5.00	4.0	70	25 - 139	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	57	33 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike - Batch: 660-82489

Method: 8151A
Preparation: 8151A

Lab Sample ID: 660-30753-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2009 0627
Date Prepared: 07/28/2009 1232

Analysis Batch: 660-82824
Prep Batch: 660-82489
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H04J073.D
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
2,4,5-T	0.96	U	4.81	0.96	19	15 - 155	
2,4-D	0.96	U	4.81	0.96	19	10 - 166	
Silvex (2,4,5-TP)	0.96	U	4.81	1.20	25	25 - 139	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	29	J1	33 - 120

Duplicate - Batch: 660-82489

Method: 8151A
Preparation: 8151A

Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2009 0540
Date Prepared: 07/28/2009 1232

Analysis Batch: 660-82824
Prep Batch: 660-82489
Units: ug/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H04J070.D
Initial Weight/Volume: 1055 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
2,4,5-T	0.95	U	0.95	NC	48	U
2,4-D	0.95	U	0.95	NC	78	U
Dinoseb	0.95	U	0.95	NC	115	U
Silvex (2,4,5-TP)	0.95	U	0.95	NC	66	U

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	160	J1	33 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82207

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-82207/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1139
Date Prepared: 07/23/2009 0704

Analysis Batch: 660-82265
Prep Batch: 660-82207
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 9G23A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Aluminum	0.050	U	0.050	0.20
Arsenic	0.0040	U	0.0040	0.010
Barium	0.0020	U	0.0020	0.010
Beryllium	0.00050	U	0.00050	0.0020
Cadmium	0.0010	U	0.0010	0.0040
Silver	0.0010	U	0.0010	0.0040
Cobalt	0.0020	U	0.0020	0.010
Chromium	0.0020	U	0.0020	0.010
Copper	0.0029	U	0.0029	0.010
Nickel	0.0020	U	0.0020	0.0080
Lead	0.0020	U	0.0020	0.010
Iron	0.050	U	0.050	0.20
Selenium	0.0050	U	0.0050	0.020
Tin	0.0060	U	0.0060	0.050
Thallium	0.0050	U	0.0050	0.020
Vanadium	0.0025	U	0.0025	0.010
Zinc	0.0050	U	0.0050	0.020
Sodium	0.31	U	0.31	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Lab Control Sample - Batch: 660-82207

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-82207/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1145
Date Prepared: 07/23/2009 0704

Analysis Batch: 660-82265
Prep Batch: 660-82207
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 9G23A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1.00	0.989	99	75 - 125	
Arsenic	1.00	1.00	100	75 - 125	
Barium	1.00	0.976	98	75 - 125	
Beryllium	1.00	1.02	102	75 - 125	
Cadmium	1.00	1.03	103	75 - 125	
Silver	1.00	0.993	99	75 - 125	
Cobalt	1.00	0.965	96	75 - 125	
Chromium	0.990	0.985	100	75 - 125	
Copper	1.00	1.01	101	75 - 125	
Nickel	1.00	1.02	102	75 - 125	
Lead	1.00	1.02	102	75 - 125	
Iron	1.00	1.02	102	75 - 125	
Selenium	1.00	0.947	95	75 - 125	
Tin	1.00	1.07	107	75 - 125	
Thallium	1.00	0.981	98	75 - 125	
Vanadium	1.00	1.02	102	75 - 125	
Zinc	1.00	1.02	102	75 - 125	
Sodium	10.0	10.1	101	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82207

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-30773-E-1-B MS	Analysis Batch: 660-82265	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-82207	Lab File ID: 9G23A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/23/2009 1215		Final Weight/Volume: 50 mL
Date Prepared:	07/23/2009 0704		

MSD Lab Sample ID:	660-30773-E-1-C MSD	Analysis Batch: 660-82265	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-82207	Lab File ID: 9G23A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/23/2009 1221		Final Weight/Volume: 50 mL
Date Prepared:	07/23/2009 0704		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	102	101	75 - 125	1	20		
Arsenic	103	104	75 - 125	1	20		
Barium	98	97	75 - 125	0	20		
Beryllium	102	104	75 - 125	1	20		
Cadmium	101	103	75 - 125	2	20		
Silver	100	100	75 - 125	0	20		
Cobalt	94	95	75 - 125	1	20		
Chromium	99	100	75 - 125	1	20		
Copper	101	101	75 - 125	0	20		
Nickel	99	101	75 - 125	1	20		
Lead	101	102	75 - 125	2	20		
Iron	102	104	75 - 125	2	20		
Selenium	97	97	75 - 125	1	20		
Tin	109	110	75 - 125	1	20		
Thallium	98	99	75 - 125	1	20		
Vanadium	102	103	75 - 125	1	20		
Zinc	99	101	75 - 125	3	20		
Sodium	120	113	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82319

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 660-82319/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1346
Date Prepared: 07/24/2009 1015

Analysis Batch: 660-82358
Prep Batch: 660-82319
Units: mg/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.000072	U	0.000072	0.00020

Lab Control Sample - Batch: 660-82319

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 660-82319/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1348
Date Prepared: 07/24/2009 1015

Analysis Batch: 660-82358
Prep Batch: 660-82319
Units: mg/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00100	0.000979	98	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82319

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1355
Date Prepared: 07/24/2009 1015

Analysis Batch: 660-82358
Prep Batch: 660-82319

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-30753-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/24/2009 1357
Date Prepared: 07/24/2009 1015

Analysis Batch: 660-82358
Prep Batch: 660-82319

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	66	66	80 - 120	0	20	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82656

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-82656/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1404
Date Prepared: N/A

Analysis Batch: 660-82656
Prep Batch: N/A
Units: mg/L

Instrument ID: ICS 2000
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-82656

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-82656/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1437
Date Prepared: N/A

Analysis Batch: 660-82656
Prep Batch: N/A
Units: mg/L

Instrument ID: ICS 2000
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.4	104	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82656

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-30734-A-3 MS
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 07/30/2009 2034
Date Prepared: N/A

Analysis Batch: 660-82656
Prep Batch: N/A

Instrument ID: ICS 2000
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 660-30734-A-3 MSD
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 07/30/2009 2107
Date Prepared: N/A

Analysis Batch: 660-82656
Prep Batch: N/A

Instrument ID: ICS 2000
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	103	102	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82378

Method: 335.4
Preparation: Distill/CN

Lab Sample ID: MB 660-82378/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/25/2009 1430
Date Prepared: 07/25/2009 1400

Analysis Batch: 660-82380
Prep Batch: 660-82378
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Result	Qual	MDL	PQL
Cyanide	0.0050	U	0.0050	0.010

Lab Control Sample - Batch: 660-82378

Method: 335.4
Preparation: Distill/CN

Lab Sample ID: LCS 660-82378/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/25/2009 1432
Date Prepared: 07/25/2009 1400

Analysis Batch: 660-82380
Prep Batch: 660-82378
Units: mg/L

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide	0.0500	0.0470	94	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82378

Method: 335.4
Preparation: Distill/CN

MS Lab Sample ID: 660-30652-W-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/25/2009 1436
Date Prepared: 07/25/2009 1400

Analysis Batch: 660-82380
Prep Batch: 660-82378

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 660-30652-W-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/25/2009 1438
Date Prepared: 07/25/2009 1400

Analysis Batch: 660-82380
Prep Batch: 660-82378

Instrument ID: Seal Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide	6	4	90 - 110	NC	20	U J3	U J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82509

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-82509/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1547
Date Prepared: N/A

Analysis Batch: 660-82509
Prep Batch: N/A
Units: mg/L

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-82509

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-82509/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1548
Date Prepared: N/A

Analysis Batch: 660-82509
Prep Batch: N/A
Units: mg/L

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.519	104	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82509

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-30779-A-30 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1607
Date Prepared: N/A

Analysis Batch: 660-82509
Prep Batch: N/A

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-30779-A-30 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1608
Date Prepared: N/A

Analysis Batch: 660-82509
Prep Batch: N/A

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	89	88	90 - 110	1	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82623

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-82623/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1351
Date Prepared: N/A

Analysis Batch: 660-82623
Prep Batch: N/A
Units: mg/L

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-82623

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-82623/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1353
Date Prepared: N/A

Analysis Batch: 660-82623
Prep Batch: N/A
Units: mg/L

Instrument ID: Autoanalyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.501	100	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82623

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-30755-J-1 MS	Analysis Batch: 660-82623	Instrument ID: Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/30/2009 1355		Final Weight/Volume: 10 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-30755-J-1 MSD	Analysis Batch: 660-82623	Instrument ID: Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/30/2009 1356		Final Weight/Volume: 10 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	95	92	90 - 110	4	30		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82623

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	660-30754-A-1 MS	Analysis Batch: 660-82623	Instrument ID: Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/30/2009 1411		Final Weight/Volume: 10 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-30754-A-1 MSD	Analysis Batch: 660-82623	Instrument ID: Autoanalyzer
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	07/30/2009 1413		Final Weight/Volume: 10 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	85	85	90 - 110	0	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82236

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-82236/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 1435
Date Prepared: N/A

Analysis Batch: 660-82236
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.10	U	0.10	0.50
Nitrite as N	0.10	U	0.10	0.50

Lab Control Sample - Batch: 660-82236

Method: 353.2
Preparation: N/A

Lab Sample ID: LCS 660-82236/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 1435
Date Prepared: N/A

Analysis Batch: 660-82236
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.00	1.06	106	90 - 110	
Nitrite as N	1.00	0.979	98	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82236

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-30755-H-8 MS	Analysis Batch:	660-82236	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2009 1435			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-30755-H-8 MSD	Analysis Batch:	660-82236	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2009 1435			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	100	105	90 - 110	3	30		
Nitrite as N	100	98	90 - 110	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers Job Number: 660-30753-1

Method Blank - Batch: 660-82276

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-82276/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1216
Date Prepared: N/A

Analysis Batch: 660-82276
Prep Batch: N/A
Units: mg/L

Instrument ID: Titrator Instrument
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0
Bicarbonate Alkalinity as CaCO3	1.0	U	1.0	1.0
Carbonate Alkalinity as CaCO3	1.0	U	1.0	1.0
Hydroxide Alkalinity	1.0	U	1.0	1.0
Phenolphthalein Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-82276

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-82276/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1224
Date Prepared: N/A

Analysis Batch: 660-82276
Prep Batch: N/A
Units: mg/L

Instrument ID: Titrator Instrument
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	115	97	80 - 120	

Duplicate - Batch: 660-82276

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-30734-A-2 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1350
Date Prepared: N/A

Analysis Batch: 660-82276
Prep Batch: N/A
Units: mg/L

Instrument ID: Titrator Instrument
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Alkalinity	2.1		2.31	8	30	
Bicarbonate Alkalinity as CaCO3	2.1		2.31	8	30	
Carbonate Alkalinity as CaCO3	1.0	U	1.0	NC	30	U
Hydroxide Alkalinity	1.0	U	1.0	NC	30	U
Phenolphthalein Alkalinity	1.0	U	1.0	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 640-58965

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 640-58965/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1515
Date Prepared: N/A

Analysis Batch: 640-58965
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Result	Qual	MDL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-58965

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 640-58965/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1515
Date Prepared: N/A

Analysis Batch: 640-58965
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 200 mL

LCSD Lab Sample ID: LCSD 640-58965/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1515
Date Prepared: N/A

Analysis Batch: 640-58965
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 200 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	96	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Duplicate - Batch: 640-58965

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-30761-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1515
Date Prepared: N/A

Analysis Batch: 640-58965
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	20	19.5	5	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30753-1

Method Blank - Batch: 660-82291

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-82291/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1600
Date Prepared: N/A

Analysis Batch: 660-82291
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	PQL	PQL
Sulfide	1.0	U	1.0	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 660-82291

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-82291/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1600
Date Prepared: N/A

Analysis Batch: 660-82291
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-82291/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2009 1600
Date Prepared: N/A

Analysis Batch: 660-82291
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfide	98	94	75 - 125	3	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

CLIENT NAME: ~~CDM~~ (SB) SCS
SURVEY/PROJECT: Citrus County Landfill

SAMPLERS: Shawn Victory, Brett Harvey

Time Out: ____
Time In: ____

08/25/2009

SAMPLE ID	TIME HR:MIN	TOTAL DEPTH (feet)	SECCHI (feet)	SAMPLE DEPTH (feet)	WATER TEMP (Celsius)	DO (mg/L)	FIELD Ox-Red (mV)	Cond (µS/cm)	SALINITY (ppt)	PH (su)	TURBIDITY (NTU)	~~Comments~~ Sheen / color
Effluent Leachate	1515	—	—	—	31.5	1.34	—	3462	—	7.49	—	NoSheen / Lt Brown
Influent Leachate	1500	—	—	—	31.7	.79	—	6795	—	6.97	—	NoSheen / Brown

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Instrument Calibrations: YSI 3500 Calibrated to pH 7.00, slope to pH 4.00, pH 6.00 = 6.05

KCL Conductivity Standards: 0.001M = 147 (147µΩ/cm) 0.01M = 1412 (1413µΩ/cm) YSI 85 D.O. Meter Calibrated to 5.25 mg/L @ 23.1 °C Cooler Temp: ___°C

Signature: _____ Relinquished by: _____ Date: ___/___/___ Time: _____

Date Completed: 7/21/09 Received by: _____ Date: ___/___/___ Time: _____

FIELD CONDITIONS FOR STATION# _____ **AT TIME** _____:

CLOUD COVER (%): _____ **WIND DIRECTION:** _____ **TIDAL STAGE:** _____

PREVIOUS RAINFALL: _____ **WIND SPEED (MPH/KNOTS):** _____ **WAVE CONDITIONS:** _____

Note: This Sheet is used for recording Sample Data – Calibration information must also be documented

Orlando Service Center
8010 Sunport Drive Suite 116
Orlando, FL 32809
Phone (813) 885-7427 Fax (813) 885-7049

660-30753

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Mr. Ken Guilbeault
Company: SCS Engineers
Address: 4041 Park Oaks Blvd Suite 100
City: Tampa
State, Zip: FL, 33610
Phone:
Email: kguilbeault@scsengineers.com
Project Name: Citrus County Leachate Collections
Site:

Sampler:
Phone:
Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 66002924
SSOW#:

Lab PM: Robertson, Nancy
E-Mail: nancy.robertson@testamericainc.com
Carrier Tracking No(s):
COC No: 660-24089.1
Page: Page 1 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Y or N)	8141A - 8141 Appendix 2	2540C - Total Dissolved Solids	8011 - Ethylene Dibromide	SM4500_S2_F - Sulfide	350.1 - Ammonia (as N)	6010B, 7470A	8260B - 8260 Appendix II Compounds	8081A - Pesticides	8082 - PCBs	8151A - herbicides	8270C - SV Appendix 2	300.0_28D - Chloride	335.4 - Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	F	CD	S	D	A	N	N	N	N	N	B		
Effluent Leachate	7/20/09	1515	Leach Grab	Water	N		X	X	X	X	X	X	X	X	X	X	X	X	X		
Equipment blank	7/20/09	1440	DI	Water	N		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		* VOC grabbed @ Phase 2 & Master Lift Station for INF samples
Influent Leachate Comp.	7/21/09	1500	Leach Comp	Water	N																
Trip Blank	7/21/9	000											X								
Phase 2 Influent	7/21/9	1505	g										X								Composited VOC from 2 site INF Comp in lab
Master Lift Stn Inf	7/21/9	1510	g										X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by: [signature] Date: 7-17-09 Time: 9:30 Method of Shipment: Courier / TA Sampler

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7-21-09 2000	TestAmerica	[signature]	7/22/09 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.2, 3.4, 2.9°C CUOT

(TA courier delivered after hours)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PRESERVATION CONFIRMATION FORM

Tampa, FL

JOB NUMBER: 30753 Logged in TALS By : Carol McMullen

Cooler Received on (date) 7/22/09 And Opened By (full name): Carol McMullen

1. Shipper (circle one) FEDEX UPS DHL WALK-IN (COURIER) OTHER: _____

2. Tracking # _____

3. Temperature of rep. sample or temp blank when opened: 3.2, 3.4, 2.9 *Degrees Celsius*

4. Number of H2SO4 (sulfuric acid) preserved containers: 3

All containers pH < 2 ? yes If not please comment below:

5. Number of HCL (hydrochloric acid) preserved containers: _____

All containers pH < 2 ? _____ If not please comment below:

6. Number of HNO3 (nitric acid) preserved containers: 3

All containers pH < 2 ? no If not please comment below:

Inf ph=6

7. Number of NaOH (sodium hydroxide) preserved containers: 6

All containers pH >12 ? no If not please comment below:

Sulfide Eff ph=9 + Eb ph=11 Inf CN ph=9

8. Number of Unpreserved containers: 36

All containers pH between 6 and 8? yes If not please comment below:

9. Was chlorine present in any of the unpreserved containers? no

If yes, which samples? _____

Login Sample Receipt Check List

Client: SCS Engineers

Job Number: 660-30753-1

Login Number: 30753

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.2, 3.4, 2.9 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: SCS Engineers

Job Number: 660-30753-1

Login Number: 30753
Creator: Alsheimer, Carl
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 07/23/09 08:24 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

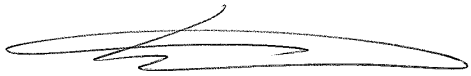
ANALYTICAL REPORT

Job Number: 660-31520-1

Job Description: Citrus County Leachate Collections

For:
SCS Engineers
4041 Park Oaks Blvd
Suite 100
Tampa, FL 33610

Attention: Mr. Ken Guilbeault



Approved for release.
Hansan Mouslle
Project Manager I
9/18/2009 9:11 AM

Hansan Mouslle
Project Manager I
hansan.mouslle@testamericainc.com
09/18/2009

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike sample (MS) recoveries for batch 84569 was outside control limits, due to a possible sample matrix interferences. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: SCS Engineers Job Number: 660-31520-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: SCS Engineers Job Number: 660-31520-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: SCS Engineers

Job Number: 660-31520-1

Method	Analyst	Analyst ID
SW846 8260B	Campbell, Ed	EC

SAMPLE SUMMARY

Client: SCS Engineers

Job Number: 660-31520-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-31520-1	Eff	Water	09/09/2009 0900	09/10/2009 1245
660-31520-2	Eq Blank	Water	09/09/2009 0850	09/10/2009 1245
660-31520-3	Trip Blank	Water	09/09/2009 0659	09/10/2009 1245

Client: SCS Engineers

Job Number: 660-31520-1

Client Sample ID: **Eff**

Lab Sample ID: 660-31520-1
Client Matrix: Water

Date Sampled: 09/09/2009 0900
Date Received: 09/10/2009 1245

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/12/2009 0531
Date Prepared: 09/12/2009 0531

Analysis Batch: 660-84569

Instrument ID: BVMK5972
Lab File ID: 1KI1217.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Dichlorobromomethane	0.35	U J3	0.35	1.0
Bromoform	0.58	U J3	0.58	1.0
Chlorobromomethane	0.58	U J3	0.58	1.0
Chloroform	0.90	U J3	0.90	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: SCS Engineers

Job Number: 660-31520-1

Client Sample ID: **Eq Blank**

Lab Sample ID: 660-31520-2
Client Matrix: Water

Date Sampled: 09/09/2009 0850
Date Received: 09/10/2009 1245

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/12/2009 0457
Date Prepared: 09/12/2009 0457

Analysis Batch: 660-84569

Instrument ID: BVMK5972
Lab File ID: 1KI1215.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chloroform	0.90	U	0.90	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: SCS Engineers Job Number: 660-31520-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 660-31520-3 Date Sampled: 09/09/2009 0659
Client Matrix: Water Date Received: 09/10/2009 1245

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-84569		Instrument ID:	BVMK5972
Preparation:	5030B			Lab File ID:	1KI1216.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/12/2009 0514			Final Weight/Volume:	5 mL
Date Prepared:	09/12/2009 0514				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chloroform	0.90	U	0.90	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

DATA REPORTING QUALIFIERS

Client: SCS Engineers Job Number: 660-31520-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Method Blank - Batch: 660-84569

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-84569/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2009 0440
Date Prepared: 09/12/2009 0440

Analysis Batch: 660-84569
Prep Batch: N/A
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1KI1214.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chloroform	0.90	U	0.90	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	70 - 130
Dibromofluoromethane	100	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Lab Control Sample - Batch: 660-84569

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-84569/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2009 0406
Date Prepared: 09/12/2009 0406

Analysis Batch: 660-84569
Prep Batch: N/A
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1KI1212.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorobromomethane	20.0	21.8	109	70 - 130	
Bromoform	20.0	21.0	105	65 - 130	
Chlorobromomethane	20.0	19.0	95	59 - 130	
Chloroform	20.0	20.7	103	59 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	70 - 130
Dibromofluoromethane	98	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike - Batch: 660-84569

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-31520-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2009 0548
Date Prepared: 09/12/2009 0548

Analysis Batch: 660-84569
Prep Batch: N/A
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1KI1218.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Dichlorobromomethane	0.35	U	20.0	6.79	34	70 - 130	J3
Bromoform	0.58	U	20.0	5.92	30	65 - 130	J3
Chlorobromomethane	0.58	U	20.0	5.92	30	59 - 130	J3
Chloroform	0.90	U	20.0	7.10	36	59 - 130	J3

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Duplicate - Batch: 660-84569

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-31423-A-19 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2009 0639
Date Prepared: 09/12/2009 0639

Analysis Batch: 660-84569
Prep Batch: N/A
Units: ug/L

Instrument ID: 5972MSD
Lab File ID: 1KI1221.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Dichlorobromomethane	0.35	U	0.35	NC	30	U
Bromoform	0.58	U	0.58	NC	30	U
Chlorobromomethane	0.58	U	0.58	NC	30	U
Chloroform	0.90	U	0.90	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	70 - 130
Dibromofluoromethane	103	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

660- 31520

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

09/18/2009

Client Information

Client Contact: Mr. Ken Guilbeault
Company: SCS Engineers
Address: 4041 Park Oaks Blvd Suite 100
City: Tampa
State, Zip: FL, 33610
Phone:
Email: kguilbeault@scsengineers.com
Project Name: Citrus County Leachate Collections
Site: EFF Contact Chamber

Sampler: Brad Harvey (TA on)
Phone:

Lab PM: Mouslle, Hansan
E-Mail: hansan.mouslle@testamericainc.com

Carrier Tracking No(s):

COC No: 660-25061.1
Page: Page 1 of 1
Job #:

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 66002924
SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - 8260 Appendix II Compounds	Total Number of containers	Special Instructions/Note:
	Preservation Code:						N		
EFF.	9/9/09	900	G	Water			X		Resample
Eq Blank		850		Water			X		
Trip Blank		659		Water			X		Sample taken out of a Beaker

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: Date: 9/8/09 Time: 1750 Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	9/9/09	TA			
Relinquished by:	9.10.09 1245	TA	Received by:	9-10-09 1245	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0°C Cw-07

Meter #'s: 2 PAGE: 1 of 1

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

CLIENT NAME: SCS Engineers SAMPLERS: Brett Harvey

SURVEY/PROJECT: EFF (Leachate) Time Out: _____ Time In: _____

SAMPLE ID	TIME HR:MIN	TOTAL DEPTH (feet)	SECCHI (feet)	SAMPLE DEPTH (feet)	WATER TEMP (Celsius)	DO (mg/L)	FIELD Ox-Red (mV)	Cond (µS/cm)	SALINITY (ppt)	PH (su)	TURBIDITY (NTU)	Comments
EFF	900	N/A	N/A	Surf	27.9	0.30	136.6	2786	1.35	7.94	6.67	No Odor
												No Sheen
												Lite Yellowish Color

Instrument Calibrations: YSI 3500 Calibrated to pH 7.00,slope to pH 4.00, pH 6.00= 6.01

KCL Conductivity Standards: 0.001M = 146 (147µΩ/cm) 0.01M = 1411 (1413µΩ/cm) YSI 85 D.O. Meter Calibrated to ___mg/L @ ___°C Cooler Temp: ___°C

Signature: _____ Relinquished by: _____ Date: 9/9/09 Time: 1120

Date Completed: 9/9/09 Received by: _____ Date: / / Time: _____

FIELD CONDITIONS FOR STATION# _____ AT TIME _____: N

CLOUD COVER (%): _____ WIND DIRECTION: _____ TIDAL STAGE: _____

PREVIOUS RAINFALL: _____ WIND SPEED (MPH/KNOTS): 0 WAVE CONDITIONS: _____

Note: This Sheet is used for recording Sample Data – Calibration information must also be documented

09/18/2009

Page 14 of 15

Login Sample Receipt Check List

Client: SCS Engineers

Job Number: 660-31520-1

Login Number: 31520

List Source: TestAmerica Tampa

Creator: Volz, Charles

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.0 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

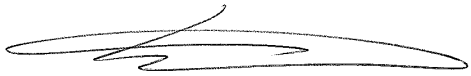
ANALYTICAL REPORT

Job Number: 660-30757-1

Job Description: Citrus County Leachate Collections

For:
SCS Engineers
4041 Park Oaks Blvd
Suite 100
Tampa, FL 33610

Attention: Mr. Ken Guilbeault



Approved for release.
Hansan Mouslle
Project Manager I
8/19/2009 6:01 PM

Hansan Mouslle
Project Manager I
hansan.mouslle@testamericainc.com
08/19/2009

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 82552 were outside control limits for three compounds. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 6010B: The method blank for batch 82643 contained barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: SCS Engineers Job Number: 660-30757-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-30757-1	**DIGESTER**					
TCLP						
Barium		0.24	I V	0.50	mg/L	6010B
Soluble						
pH-Soluble		4.47	Q	1.00	SU	9045C

METHOD SUMMARY

Client: SCS Engineers Job Number: 660-30757-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
TCLP Extraction	TAL TAM		SW846 1311
Purge and Trap	TAL TAM		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL TAM	SW846 8270C	
TCLP Extraction	TAL TAM		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL TAM		SW846 3520C
Organochlorine Pesticides (GC)	TAL TAM	SW846 8081A	
TCLP Extraction	TAL TAM		SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL TAM		SW846 3510C
Herbicides (GC)	TAL TAM	SW846 8151A	
TCLP Extraction	TAL TAM		SW846 1311
Extraction (Herbicides)	TAL TAM		SW846 8151A
Metals (ICP)	TAL TAM	SW846 6010B	
TCLP Extraction	TAL TAM		SW846 1311
Preparation, Total Metals	TAL TAM		SW846 3010A
Mercury (CVAA)	TAL TAM	SW846 7470A	
TCLP Extraction	TAL TAM		SW846 1311
Preparation, Mercury	TAL TAM		SW846 7470A
pH	TAL TAM	SW846 9045C	
Deionized Water Leaching Procedure	TAL TAM		ASTM DI Leach

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: SCS Engineers

Job Number: 660-30757-1

Method	Analyst	Analyst ID
SW846 8260B	Harris, Chris	CH
SW846 8270C	Perrin, Todd	TP
SW846 8081A	Myers, Randy	RM
SW846 8151A	Myers, Randy	RM
SW846 6010B	Fox, Greg	GF
SW846 7470A	Ramos, Salvador	SR
SW846 9045C	Wieland, Kristen	KW

SAMPLE SUMMARY

Client: SCS Engineers

Job Number: 660-30757-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-30757-1	Digester	Solid	07/21/2009 1525	07/22/2009 0800

Client: SCS Engineers

Job Number: 660-30757-1

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1
Client Matrix: Solid

Date Sampled: 07/21/2009 1525
Date Received: 07/22/2009 0800

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 660-82530		Instrument ID:	BVMJ5975
Preparation:	5030B			Lab File ID:	1JG2828.D
Dilution:	1.0	Leachate Batch: 660-82367		Initial Weight/Volume:	5 mL
Date Analyzed:	07/28/2009 2119			Final Weight/Volume:	5 mL
Date Prepared:	07/28/2009 2119				
Date Leached:	07/23/2009 1755				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	PQL
Benzene		0.50	U	0.50	1.0
Carbon tetrachloride		0.42	U	0.42	1.0
Chlorobenzene		0.63	U	0.63	1.0
Chloroform		0.90	U	0.90	1.0
1,4-Dichlorobenzene		0.52	U	0.52	1.0
1,2-Dichloroethane		0.57	U	0.57	1.0
1,1-Dichloroethene		0.45	U	0.45	1.0
2-Butanone (MEK)		8.4	U	8.4	10
Trichloroethene		0.50	U	0.50	1.0
Tetrachloroethene		0.50	U	0.50	1.0
Vinyl chloride		0.50	U	0.50	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: SCS Engineers Job Number: 660-30757-1

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1 Date Sampled: 07/21/2009 1525
Client Matrix: Solid Date Received: 07/22/2009 0800

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 660-82663		Instrument ID:	BSMD5973
Preparation:	3520C	Prep Batch: 660-82552		Lab File ID:	1DG30012.D
Dilution:	1.0	Leachate Batch: 660-82497		Initial Weight/Volume:	200 mL
Date Analyzed:	07/30/2009 1646			Final Weight/Volume:	1 mL
Date Prepared:	07/29/2009 1336			Injection Volume:	1.0 uL
Date Leached:	07/28/2009 1349				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Pyridine		0.0086	U	0.0086	0.25
Pentachlorophenol		0.0058	U	0.0058	0.25
Nitrobenzene		0.0061	U	0.0061	0.050
Hexachloroethane		0.0089	U J3	0.0089	0.050
Hexachlorobutadiene		0.0097	U	0.0097	0.050
Hexachlorobenzene		0.0048	U	0.0048	0.050
Cresol, o-		0.0068	U J3	0.0068	0.050
m & p - Cresol		0.0066	U	0.0066	0.050
1,4-Dichlorobenzene		0.0077	U	0.0077	0.050
2,4-Dinitrotoluene		0.0054	U	0.0054	0.050
2,4,5-Trichlorophenol		0.0068	U	0.0068	0.050
2,4,6-Trichlorophenol		0.0048	U J3	0.0048	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	73		29 - 143
2-Fluorophenol	57		29 - 121
Phenol-d5	51		25 - 128
Nitrobenzene-d5	80		34 - 130
2-Fluorobiphenyl	78		36 - 124
Terphenyl-d14	60		14 - 148

Client: SCS Engineers Job Number: 660-30757-1

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1 Date Sampled: 07/21/2009 1525
Client Matrix: Solid Date Received: 07/22/2009 0800

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 660-82742		Instrument ID:	BSGJ
Preparation:	3510C	Prep Batch: 660-82527		Initial Weight/Volume:	20 mL
Dilution:	1.0	Leachate Batch: 660-82497		Final Weight/Volume:	2 mL
Date Analyzed:	07/31/2009 2243			Injection Volume:	1.0 uL
Date Prepared:	07/29/2009 1032			Result Type:	PRIMARY
Date Leached:	07/28/2009 1349				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Endrin		0.00061	U	0.00061	0.0050
gamma-BHC (Lindane)		0.00021	U	0.00021	0.0025
Methoxychlor		0.00044	U	0.00044	0.025
Chlordane (technical)		0.0034	U	0.0034	0.025
Toxaphene		0.019	U	0.019	0.25
Heptachlor		0.00036	U	0.00036	0.0025
Heptachlor epoxide		0.00022	U	0.00022	0.0025

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		30 - 150
Tetrachloro-m-xylene	64		30 - 150

Client: SCS Engineers

Job Number: 660-30757-1

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1
Client Matrix: Solid

Date Sampled: 07/21/2009 1525
Date Received: 07/22/2009 0800

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 660-83067		Instrument ID:	BSGJ
Preparation:	8151A	Prep Batch: 660-82769		Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 660-82497		Final Weight/Volume:	2 mL
Date Analyzed:	08/07/2009 0922			Injection Volume:	1.0 uL
Date Prepared:	08/04/2009 1115			Result Type:	PRIMARY
Date Leached:	07/28/2009 1349				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
2,4-D		0.0075	U	0.0075	0.025
Silvex (2,4,5-TP)		0.0016	U	0.0016	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	81		33 - 120

Client: SCS Engineers Job Number: 660-30757-1

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1 Date Sampled: 07/21/2009 1525
Client Matrix: Solid Date Received: 07/22/2009 0800

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 660-82768		Instrument ID:	ICPB
Preparation:	3010A	Prep Batch: 660-82643		Lab File ID:	9H04B
Dilution:	5.0	Leachate Batch: 660-82497		Initial Weight/Volume:	50 mL
Date Analyzed:	08/04/2009 1008			Final Weight/Volume:	50 mL
Date Prepared:	07/31/2009 0836				
Date Leached:	07/28/2009 1349				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Silver		0.050	U	0.050	0.50
Arsenic		0.12	U	0.12	1.0
Barium		0.24	I V	0.030	0.50
Cadmium		0.018	U	0.018	0.50
Chromium		0.050	U	0.050	1.0
Lead		0.040	U	0.040	1.0
Selenium		0.15	U	0.15	0.50

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 660-82622		Instrument ID:	PS200II
Preparation:	7470A	Prep Batch: 660-82599		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 660-82497		Initial Weight/Volume:	25 mL
Date Analyzed:	07/30/2009 1559			Final Weight/Volume:	25 mL
Date Prepared:	07/30/2009 1107				
Date Leached:	07/28/2009 1349				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Mercury		0.00036	U	0.00036	0.00050

General Chemistry

Client Sample ID: **Digester**

Lab Sample ID: 660-30757-1 Date Sampled: 07/21/2009 1525

Client Matrix: Solid Date Received: 07/22/2009 0800

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
pH-Soluble	4.47	Q	SU	1.00	1.00	1.0	9045C

Analysis Batch: 660-82229 Date Analyzed: 07/22/2009 1550 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: SCS Engineers Job Number: 660-30757-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
GC/MS Semi VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	V	Indicates the analyte was detected in both the sample and the associated method blank.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	Q	Sample held beyond the accepted holding time.

Method Blank - Batch: 660-82530

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-82530/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1511
Date Prepared: 07/28/2009 1511

Analysis Batch: 660-82530
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG2812.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Benzene	0.50	U	0.50	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroform	0.90	U	0.90	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
2-Butanone (MEK)	8.4	U	8.4	10
Trichloroethene	0.50	U	0.50	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Vinyl chloride	0.50	U	0.50	1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Lab Control Sample - Batch: 660-82530

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-82530/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2009 1336
Date Prepared: 07/28/2009 1336

Analysis Batch: 660-82530
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ GC/MS
Lab File ID: 1JG2808.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.0	95	64 - 140	
Chlorobenzene	20.0	19.4	97	70 - 130	
1,1-Dichloroethene	20.0	18.2	91	51 - 157	
Trichloroethene	20.0	18.7	93	59 - 142	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82530

Method: 8260B
Preparation: 5030B
TCLP

MS Lab Sample ID:	660-30757-1	Analysis Batch:	660-82530	Instrument ID:	BVMJ GC/MS
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	1JG2829.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/28/2009 2141			Final Weight/Volume:	5 mL
Date Prepared:	07/28/2009 2141				

MSD Lab Sample ID:	660-30757-1	Analysis Batch:	660-82530	Instrument ID:	BVMJ GC/MS
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	1JG2830.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	07/28/2009 2206			Final Weight/Volume:	5 mL
Date Prepared:	07/28/2009 2206				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	76	64 - 140	15	30		
Chlorobenzene	88	80	70 - 130	9	30		
1,1-Dichloroethene	85	75	51 - 157	12	30		
Trichloroethene	90	72	59 - 142	22	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	96	97	70 - 130
Dibromofluoromethane	102	99	70 - 130
Toluene-d8 (Surr)	104	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Method Blank - Batch: 660-82552

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 660-82552/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1547
Date Prepared: 07/29/2009 1336

Analysis Batch: 660-82663
Prep Batch: 660-82552
Units: mg/L

Instrument ID: HP 6890/5973
Lab File ID: 1DG30010.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
Pyridine	0.0086	U	0.0086	0.25
Pentachlorophenol	0.0058	U	0.0058	0.25
Nitrobenzene	0.0061	U	0.0061	0.050
Hexachloroethane	0.0089	U	0.0089	0.050
Hexachlorobutadiene	0.0097	U	0.0097	0.050
Hexachlorobenzene	0.0048	U	0.0048	0.050
Cresol, o-	0.0068	U	0.0068	0.050
m & p - Cresol	0.0066	U	0.0066	0.050
1,4-Dichlorobenzene	0.0077	U	0.0077	0.050
2,4-Dinitrotoluene	0.0054	U	0.0054	0.050
2,4,5-Trichlorophenol	0.0068	U	0.0068	0.050
2,4,6-Trichlorophenol	0.0048	U	0.0048	0.050

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	82	29 - 143
2-Fluorophenol	65	29 - 121
Phenol-d5	53	25 - 128
Nitrobenzene-d5	71	34 - 130
2-Fluorobiphenyl	78	36 - 124
Terphenyl-d14	99	14 - 148

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Lab Control Sample - Batch: 660-82552

Method: 8270C
Preparation: 3520C

Lab Sample ID:	LCS 660-82552/2-A	Analysis Batch:	660-82663	Instrument ID:	HP 6890/5973
Client Matrix:	Water	Prep Batch:	660-82552	Lab File ID:	1DG30011.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	200 mL
Date Analyzed:	07/30/2009 1617			Final Weight/Volume:	1 mL
Date Prepared:	07/29/2009 1336			Injection Volume:	1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pyridine	0.500	0.113	23	10 - 134	
Pentachlorophenol	0.506	0.344	68	34 - 148	
Nitrobenzene	0.500	0.371	74	34 - 124	
Hexachloroethane	0.500	0.335	67	51 - 108	
Hexachlorobutadiene	0.500	0.334	67	26 - 104	
Hexachlorobenzene	0.500	0.353	71	33 - 124	
Cresol, o-	0.502	0.336	67	38 - 118	
1,4-Dichlorobenzene	0.500	0.352	70	54 - 123	
2,4-Dinitrotoluene	0.500	0.363	73	36 - 129	
2,4,5-Trichlorophenol	0.501	0.409	82	46 - 128	
2,4,6-Trichlorophenol	0.504	0.384	76	47 - 124	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	98	29 - 143
2-Fluorophenol	68	29 - 121
Phenol-d5	57	25 - 128
Nitrobenzene-d5	81	34 - 130
2-Fluorobiphenyl	82	36 - 124
Terphenyl-d14	110	14 - 148

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82552

Method: 8270C
Preparation: 3520C
TCLP

MS Lab Sample ID:	660-30757-1	Analysis Batch: 660-82663	Instrument ID: HP 6890/5973
Client Matrix:	Solid	Prep Batch: 660-82552	Lab File ID: 1DG30013.D
Dilution:	1.0		Initial Weight/Volume: 200 mL
Date Analyzed:	07/30/2009 1715		Final Weight/Volume: 1 mL
Date Prepared:	07/29/2009 1336		Injection Volume: 1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	
MSD Lab Sample ID:	660-30757-1	Analysis Batch: 660-82663	Instrument ID: HP 6890/5973
Client Matrix:	Solid	Prep Batch: 660-82552	Lab File ID: 1DG30014.D
Dilution:	1.0		Initial Weight/Volume: 200 mL
Date Analyzed:	07/30/2009 1744		Final Weight/Volume: 1 mL
Date Prepared:	07/29/2009 1336		Injection Volume: 1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Pyridine	38	24	10 - 134	44	50		
Pentachlorophenol	55	44	34 - 148	22	33		
Nitrobenzene	69	56	34 - 124	21	21		
Hexachloroethane	60	49	51 - 108	20	35		J3
Hexachlorobutadiene	60	50	26 - 104	18	30		
Hexachlorobenzene	57	45	33 - 124	24	31		
Cresol, o-	54	40	38 - 118	29	27		J3
1,4-Dichlorobenzene	63	54	54 - 123	16	31		
2,4-Dinitrotoluene	69	58	36 - 129	16	32		
2,4,5-Trichlorophenol	60	47	46 - 128	25	28		
2,4,6-Trichlorophenol	57	44	47 - 124	25	22		J3

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	70	56	29 - 143
2-Fluorophenol	52	42	29 - 121
Phenol-d5	48	35	25 - 128
Nitrobenzene-d5	73	60	34 - 130
2-Fluorobiphenyl	71	59	36 - 124
Terphenyl-d14	59	44	14 - 148

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82527

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 660-82527/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2009 2216
Date Prepared: 07/29/2009 1032

Analysis Batch: 660-82742
Prep Batch: 660-82527
Units: mg/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G31J015.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Endrin	0.00061	U	0.00061	0.0050
gamma-BHC (Lindane)	0.00021	U	0.00021	0.0025
Methoxychlor	0.00044	U	0.00044	0.025
Chlordane (technical)	0.0034	U	0.0034	0.025
Toxaphene	0.019	U	0.019	0.25
Heptachlor	0.00036	U	0.00036	0.0025
Heptachlor epoxide	0.00022	U	0.00022	0.0025

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	30 - 150
Tetrachloro-m-xylene	64	30 - 150

Lab Control Sample - Batch: 660-82527

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 660-82527/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2009 2229
Date Prepared: 07/29/2009 1032

Analysis Batch: 660-82742
Prep Batch: 660-82527
Units: mg/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1G31J016.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00800	0.00767	96	36 - 137	
gamma-BHC (Lindane)	0.00800	0.00621	78	24 - 118	
Heptachlor	0.00800	0.00663	83	34 - 114	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	30 - 150
Tetrachloro-m-xylene	65	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82527

Method: 8081A
Preparation: 3510C
TCLP

MS Lab Sample ID:	660-30757-1	Analysis Batch:	660-82742	Instrument ID:	AGILENT GC ECD/ECD
Client Matrix:	Solid	Prep Batch:	660-82527	Lab File ID:	1G31J018.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	07/31/2009 2256			Final Weight/Volume:	2 mL
Date Prepared:	07/29/2009 1032			Injection Volume:	1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch:	660-82497	Column ID:	PRIMARY
MSD Lab Sample ID:	660-30757-1	Analysis Batch:	660-82742	Instrument ID:	AGILENT GC ECD/ECD
Client Matrix:	Solid	Prep Batch:	660-82527	Lab File ID:	1G31J019.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	07/31/2009 2309			Final Weight/Volume:	2 mL
Date Prepared:	07/29/2009 1032			Injection Volume:	1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch:	660-82497	Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Endrin	100	92	36 - 137	9	25		
gamma-BHC (Lindane)	80	73	24 - 118	9	36		
Heptachlor	86	79	34 - 114	8	26		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	69	30 - 150
Tetrachloro-m-xylene	64	58	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82769

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 660-82769/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2009 0835
Date Prepared: 08/04/2009 1115

Analysis Batch: 660-83067
Prep Batch: 660-82769
Units: mg/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H06J057.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
2,4-D	0.0075	U	0.0075	0.025
Silvex (2,4,5-TP)	0.0016	U	0.0016	0.025

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	66	33 - 120

Lab Control Sample - Batch: 660-82769

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 660-82769/2-A
Client Matrix: Water
Dilution: 4.0
Date Analyzed: 08/07/2009 0850
Date Prepared: 08/04/2009 1115

Analysis Batch: 660-83067
Prep Batch: 660-82769
Units: mg/L

Instrument ID: AGILENT GC ECD/ECD
Lab File ID: 1H06J058.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 2 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.100	0.0429	43	10 - 166	
Silvex (2,4,5-TP)	0.100	0.0471	47	25 - 139	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	58	33 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82769

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID:	660-30757-1	Analysis Batch: 660-83067	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Solid	Prep Batch: 660-82769	Lab File ID: 1H06J061.D
Dilution:	4.0		Initial Weight/Volume: 10 mL
Date Analyzed:	08/07/2009 0938		Final Weight/Volume: 2 mL
Date Prepared:	08/04/2009 1115		Injection Volume: 1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	Column ID: PRIMARY
MSD Lab Sample ID:	660-30757-1	Analysis Batch: 660-83067	Instrument ID: AGILENT GC ECD/ECD
Client Matrix:	Solid	Prep Batch: 660-82769	Lab File ID: 1H06J062.D
Dilution:	4.0		Initial Weight/Volume: 10 mL
Date Analyzed:	08/07/2009 0953		Final Weight/Volume: 2 mL
Date Prepared:	08/04/2009 1115		Injection Volume: 1.0 uL
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	35	33	10 - 166	6	78		
Silvex (2,4,5-TP)	46	44	25 - 139	3	66		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	41	43	33 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

TCLP SPLPE Leachate Blank - Batch: 660-82643

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 660-82497/1-E ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 08/04/2009 0954
Date Prepared: 07/31/2009 0836
Date Leached: 07/28/2009 1349

Analysis Batch: 660-82768
Prep Batch: 660-82643
Units: mg/L

Leachate Batch: 660-82497

Instrument ID: TJA ICP
Lab File ID: 9H04B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	0.050	U	0.050	0.50
Arsenic	0.12	U	0.12	1.0
Barium	0.041	I	0.030	0.50
Cadmium	0.018	U	0.018	0.50
Chromium	0.050	U	0.050	1.0
Lead	0.040	U	0.040	1.0
Selenium	0.15	U	0.15	0.50

Lab Control Sample - Batch: 660-82643

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 660-82643/2-A ^5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 08/04/2009 0959
Date Prepared: 07/31/2009 0836

Analysis Batch: 660-82768
Prep Batch: 660-82643
Units: mg/L

Instrument ID: TJA ICP
Lab File ID: 9H04B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.00	1.01	101	75 - 125	
Arsenic	1.00	1.04	104	75 - 125	
Barium	1.00	1.00	100	75 - 125	
Cadmium	1.00	1.08	108	75 - 125	
Chromium	0.990	1.02	103	75 - 125	
Lead	1.00	1.07	107	75 - 125	
Selenium	1.00	1.01	101	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: SCS Engineers

Job Number: 660-30757-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82643

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	660-30757-1	Analysis Batch: 660-82768	Instrument ID: TJA ICP
Client Matrix:	Solid	Prep Batch: 660-82643	Lab File ID: 9H04B
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/04/2009 1013		Final Weight/Volume: 50 mL
Date Prepared:	07/31/2009 0836		
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	
MSD Lab Sample ID:	660-30757-1	Analysis Batch: 660-82768	Instrument ID: TJA ICP
Client Matrix:	Solid	Prep Batch: 660-82643	Lab File ID: 9H04B
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/04/2009 1017		Final Weight/Volume: 50 mL
Date Prepared:	07/31/2009 0836		
Date Leached:	07/28/2009 1349	Leachate Batch: 660-82497	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	101	103	75 - 125	2	20		
Arsenic	107	109	75 - 125	1	20		
Barium	98	100	75 - 125	2	20		
Cadmium	110	111	75 - 125	2	20		
Chromium	104	105	75 - 125	0	20		
Lead	107	108	75 - 125	1	20		
Selenium	100	103	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TCLP SPLPE Leachate Blank - Batch: 660-82599

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 660-82497/1-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/30/2009 1557
Date Prepared: 07/30/2009 1105
Date Leached: 07/28/2009 1349

Analysis Batch: 660-82622
Prep Batch: 660-82599
Units: mg/L

Leachate Batch: 660-82497

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.00036	U	0.00036	0.00050

Lab Control Sample - Batch: 660-82599

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 660-82599/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/30/2009 1541
Date Prepared: 07/30/2009 1105

Analysis Batch: 660-82622
Prep Batch: 660-82599
Units: mg/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00100	0.000925	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-82599

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID: 660-30757-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/30/2009 1601
Date Prepared: 07/30/2009 1107
Date Leached: 07/28/2009 1349

Analysis Batch: 660-82622
Prep Batch: 660-82599

Leachate Batch: 660-82497

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-30757-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/30/2009 1603
Date Prepared: 07/30/2009 1108
Date Leached: 07/28/2009 1349

Analysis Batch: 660-82622
Prep Batch: 660-82599

Leachate Batch: 660-82497

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	81	83	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 660-82229

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 660-82224/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/22/2009 1550
Date Prepared: N/A
Date Leached: 07/22/2009 1450

Analysis Batch: 660-82229
Prep Batch: N/A
Units: SU

Leachate Batch: 660-82224

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	PQL	PQL
pH-Soluble	7.93		1.00	1.00

Lab Control Sample - Batch: 660-82229

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 660-82224/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/22/2009 1550
Date Prepared: N/A
Date Leached: 07/22/2009 1450

Analysis Batch: 660-82229
Prep Batch: N/A
Units: SU

Leachate Batch: 660-82224

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH-Soluble	6.00	5.940	99	98 - 102	

Duplicate - Batch: 660-82229

Method: 9045C
Preparation: N/A

Lab Sample ID: 660-30757-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/22/2009 1550
Date Prepared: N/A
Date Leached: 07/22/2009 1450

Analysis Batch: 660-82229
Prep Batch: N/A
Units: SU

Leachate Batch: 660-82224

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-Soluble	4.47	4.480	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

660-30757

Orlando Service Center
8010 Sunport Drive Suite 116
Orlando, FL 32809
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

08/19/2009

Client Information	Sampler: Matt Harvey	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-24102.1
Client Contact: Mr. Ken Guilbeault	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: SCS Engineers				Job #:
Address: 4041 Park Oaks Blvd Suite 100	Due Date Requested:			
City: Tampa	TAT Requested (days):			
State, Zip: FL, 33610				
Phone:	PO #: Purchase Order Requested			
Email: kguilbeault@scsengineers.com	WO #:			
Project Name: Citrus County Leachate Collections	Project #: 66002924			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081A, 8151A, 8270C	8260B - Volatiles TCLP	6010B, 7470A	9045C - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
Digester 7/21/09	7/20/09	1535	G	Solid			1	1	1	1		
	7/21/09											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 7-22-09	Time: 12:50	Method of Shipment: Courier TA sampler		
Relinquished by:	Date/Time: 7/21/09 @ 1830	Company	Received by:	Date/Time: 7/21/09 1530	Company TA TAMPA
Relinquished by:	Date/Time: 7/21/09 2000	Company TA TAMPA	Received by: Carol McNulty	Date/Time: 7/22/09 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: (TA courier delivered after hours) | Cooler Temperature(s) °C and Other Remarks: 2.1 °C ON ICE

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Login Sample Receipt Check List

Client: SCS Engineers

Job Number: 660-30757-1

Login Number: 30757

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.1 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	minimal volume recd- watery sample
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ATTACHMENT 2

MONTHLY LEACAHATE QUALITY ANALYTICAL RESULTS FOR JULY, AUGUST, AND SEPTEMBER 2009

S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 10471

Client	CITRUS COUNTY UTILITIES	***Sample Number***	E091284	
Project	LANDFILL LEACHATE PLANT	***Date/Time Sampled***	7/1/09	0845 HRS
Sample Description	WWTP/EFF	***Date/Time Received***	7/1/09	1048 HRS

Method	Analytes	Units	Results	MDL	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.96	1.4 mg/L	SJL	7/2/09 1035 HRS
SM2540-D	TSS	mg/L	5.00	1.0 mg/L	SJL	7/3/09 0932 HRS
SM4500-NO3-E	NITRATE	mg/L	5.68	0.10 mg/L	CK	7/2/09 0900 HRS

Sally Ann Cassillo
Laboratory Manager

These results relate only to this sample.
For all results qualified with an I, the PQL is defined to be 4 times the MDL

S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 10537

Client CITRUS COUNTY UTILITIES
Project LANDFILL LEACHATE PLANT
Sample Description WWTP/EFF

Sample Number E091511
Date/Time Sampled 8/5/09 0900 HRS
Date/Time Received 8/5/09 1103 HRS

Method	Analytes	Units	Results	MDL	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.38	1.4 mg/L	SJL	8/6/09 1035 HRS
SM2540-D	TSS	mg/L	5.00	1.0 mg/L	SJL	8/7/09 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	0.38	0.10 mg/L	CK	8/6/09 1030 HRS

Sally Ann Castillo
Laboratory Manager

These results relate only to this sample.
For all results qualified with an I, the PQL is defined to be 4 times the MDL

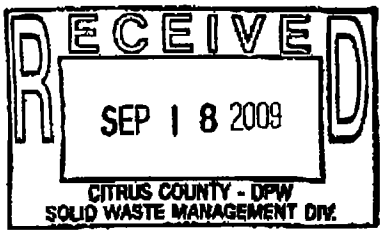
S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 10596

Client	CITRUS COUNTY UTILITIES	***Sample Number***	E091742	
Project	LANDFILL LEACHATE PLANT	***Date/Time Sampled***	9/9/09	1035 HRS
Sample Description	WWTP/EFF	***Date/Time Received***	9/9/09	1140 HRS

Method	Analytes	Units	Results	MDL	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.54	1.4 mg/L	SJL	9/10/09 1115 HRS
SM2540-D	TSS	mg/L	3.50	1.0 mg/L	SJL	9/11/09 0935 HRS
SM4500-NO3-E	NITRATE	mg/L	0.45	0.10 mg/L	CK	9/9/09 1050 HRS



Sally Ann Carrillo
Laboratory Manager

These results relate only to this sample.
For all results qualified with an I, the PQL is defined to be 4 times the MDL

ATTACHMENT 3

TABLES

Table 1. Summary of Leachate Effluent Quality Analytical Results
Citrus County Central Landfill

Parameter	Standard	MCL	Units	Leachate Effluent				
				10/15/2008	1/27/2009	4/20/2009	7/21/2009	9/9/2009
Volatile Organics								**Resample**
Acetone	GCTL	6300	ug/L	---	---	---	21	---
Benzene	PDWS	1	ug/L	0.5 **U**	1 **U**	0.5 **U**	0.5 **U**	---
Ethylbenzene	SDWS	30	ug/L	0.5 **U**	1 **U**	0.5 **U**	0.44 **U**	---
Ethylene Dibromide	PDWS	0.02	ug/L	0.0061 **U**	0.0064 **U**	0.0064 **U**	0.5 **U**	---
Toluene	SDWS	40	ug/L	0.5 **U**	1 **U**	0.5 **U**	0.51 **U**	---
Vinyl chloride	PDWS	1	ug/L	0.53 **U**	1.1 **U**	0.53 **U**	0.5 **U**	---
Xylenes, Total	SDWS	20	ug/L	1 **U**	2.1 **I**	1 **U**	0.5 **U**	---
Trihalomethanes								
Bromodichloromethane	See Total THMs		ug/L	---	14	---	410	0.35 **U**
Bromoform	See Total THMs		ug/L	---	2.9	---	71	0.58 **U**
Chloroform	See Total THMs		ug/L	---	11	---	370	0.90 **U**
Dibromochloromethane	See Total THMs		ug/L	---	6.9	---	280	0.58 **U**
Total THMs	Permit	100	ug/L	---	34.8	---	1131	**Not Detected**
Metals								
Arsenic	PDWS	0.01	mg/L	---	---	---	0.0091 **I**	---
Barium	PDWS	2	mg/L	---	---	---	0.058	---
Cobalt	GCTL	0.14	mg/L	---	---	---	0.011	---
Chromium	PDWS	0.1	mg/L	---	---	---	0.0058 **I**	---
Copper	SDWS	1	mg/L	---	---	---	0.014	---
Nickel	PDWS	0.1	mg/L	---	---	---	0.046	---
Iron	SDWS	0.3	mg/L	---	---	---	0.068 **I**	---
Zinc	SDWS	5	mg/L	---	---	---	0.020 **I**	---
General Chemistry								
Ammonia, Total	GCTL	2.8	mg/L	0.094	1.1	0.19	0.16	---
Chloride	SDWS	250	mg/L	940	1300	1500	710	---
Cyanide	PDWS	0.2	mg/L	---	---	---	0.014	---
Sodium	PDWS	160	mg/L	570	800	820	430	---
TDS	SDWS	500	mg/L	2400	2800	3000	1800	---
General Field Parameters								
Conductivity	NS	NS	umhos/cm	3929	4907	4820	3462	2786
Dissolved Oxygen	NS	NS	mg/L	2.96	0.93	2.78	1.34	0.3
pH	SDWS	6.5-8.5	pH Units	7.87	7.79	7.68	7.49	7.94
Temperature, Water	NS	NS	deg C	26.55	17.35	24.83	31.5	27.9
Turbidity	NS	NS	NTU	1.07	1.65	5	---	6.67

Notes

1 . PDWS = Primary Drinking Water Standard (62-550 F.A.C.).
2. SDWS = Secondary Drinking Water Standard (62-550 F.A.C.).
3. GCTL = Groundwater Clean-up Target Level (62-777 F.A.C.).
4. THMs = Trihalomethanes
5. NS = No numeric standard has been set for this analyte.
6. --- = Parameter not analyzed.
7. mg/l: milligrams per liter.
8. ug/l: micrograms per liter.
9. NTU: nephelometric turbidity units.
10. Yellow Shaded values indicate parameter concentrations exceeded primary, secondary Drinking Water Standards or groundwater cleanup target levels.
11. **I** = Analyte detected below quantitation limits.
12. **U** = Analyte concentration was below the laboratory detection limit (value shown).

Table 2. Summary of Leachate Effluent Monthly Analytical Results
Citrus County Central Landfill

				Leachate Effluent								
Parameter	**Standard**	**MCL**	**Units**	**1/7/2009**	**2/4/2009**	**3/4/2009**	**4/1/2009**	**5/12/2009**	**6/4/2009**	**7/1/2009**	**8/5/2009**	**9/9/2009**
CBOD	Permit	20	mg/L	1.38	4.56	4.4	2.78	3.3	10.04	5.96	2.38	1.54
TSS	Permit	20	mg/L	<1	3	7.5	3	7	1	5	5	3.5
Nitrate	Permit	10	mg/L	5	6.03	3.85	1.85	0.52	0.46	5.68	0.38	0.45

Notes

1. mg/l: milligrams per liter.
2. ug/l: micrograms per liter.
3. Yellow Shaded values indicate parameter concentrations exceeded Permit MCL levels.
4. **I** = Analyte detected below quantitation limits.
5. **U** = Analyte concentration was below the laboratory detection limit (value shown).

Table 3. Summary of Leachate Influent Quality Analytical Results
Citrus County Central Landfill

Parameter Volatile Organics	MCL	Units	Phase 2 Influent	Master Lift Influent
Acetone	NS	ug/L	81	17
Benzene	500	ug/L	14	1.9
2-Butanone (MEK)	NS	ug/L	140	8.4 **U**
Chlorobenzene	100000	ug/L	0.63 **U**	2.7
Cis-1,2-Dichloroethene	NS	ug/L	4.4	1.6
Dichlorobromomethane	NS	ug/L	0.6 **I**	0.35 **U**
1,2-Dichloroethane	500	ug/L	3.9	0.57 **U**
1,2-Dichloropropane	NS	ug/L	1.2	0.52 **U**
Ethylbenzene	NS	ug/L	46	60
4-Methyl-2-pentanone (MIBK)	NS	ug/L	13	3.8 **U**
Styrene	NS	ug/L	4	0.98 **U**
Tetrachloroethene	700	ug/L	0.91 **I**	0.50 **U**
Toluene	NS	ug/L	34	9.3
trans-1,3-Dichloropropene	NS	ug/L	0.56 **I**	0.14 **U**
Trichloroethene	500	ug/L	0.52 **I**	0.50 **U**
Vinyl chloride	200	ug/L	5.6	0.50 **U**
Xylenes, Total	NS	ug/L	80	42

Notes

1. NS = No numeric standard has been set for this analyte.
2. MCL = 40 Code of Federal Regulations (CFR) Part 261.24.
3. --- = Parameter not analyzed.
4. ug/l: micrograms per liter.
5. Yellow Shaded values indicate parameter concentrations exceeded 40 CFR Part 261.24.
6. **I** = Analyte detected below quantitation limits.
7. **U** = Analyte concentration was below the laboratory detection limit (value shown).

Table 4. Summary of Composite Leachate Influent Quality Analytical Results, Citrus County Central Landfill

Parameter	MCL	Units	Composite Leachate Influent
Organics			
1,4 Dichlorobenzene	7500	ug/L	10
Naphthalene	NS	ug/L	16
2,4-Dimethylphenol	NS	ug/L	4.1 **I**
3&4 Methylphenol	NS	ug/L	39
Metals			
Aluminum	NS	mg/L	0.18 **I**
Arsenic	5	mg/L	0.05
Barium	100	mg/L	0.038
Cobalt	NS	mg/L	0.017
Chromium	5	mg/L	0.012
Copper	NS	mg/L	0.0035 **I**
Nickel	NS	mg/L	0.068
Iron	NS	mg/L	20
Vanadium	NS	mg/L	0.0057 **I**
Zinc	NS	mg/L	0.011 **I**
General Chemistry			
Alkalinity, Total	NS	mg/L	1800
Ammonia, Total	NS	mg/L	380
Bicarbonate Alkalinity as $CaCO_3$	NS	mg/L	1800
Chloride	NS	mg/L	810
Cyanide	NS	mg/L	0.0061 **I**
Nitrate/Nitrite as N	NS	mg/L	0.98
Sodium	NS	mg/L	600
TDS	nS	mg/L	2600
General Field Parameters			
Conductivity	NS	umhos/cm	6795
Dissolved Oxygen	NS	mg/L	0.79
pH	NS	pH Units	6.97
Temperature, Water	NS	deg C	31.7

Notes

1. NS = No numeric standard has been set for this analyte.
2. MCL = 40 Code of Federal Regulations (CFR) Part 261.24.
3. mg/L = milligrams per liter.
4. ug/l: micrograms per liter.
5. Yellow Shaded values indicate parameter concentrations exceeded 40 CFR Part 261.24.
6. **I** = Analyte detected below quantitation limits.
7. **U** = Analyte concentration was below the laboratory detection limit (value shown).

Table 5. Summary of Leachate Sludge Quality Analytical Results, Citrus County Central Landfill

Parameter	MCL	Units	Leachate Sludge
TCLP			
Barium	100	mg/L	0.24 **IV**
Soluble			
pH	NS	pH Units	4.47

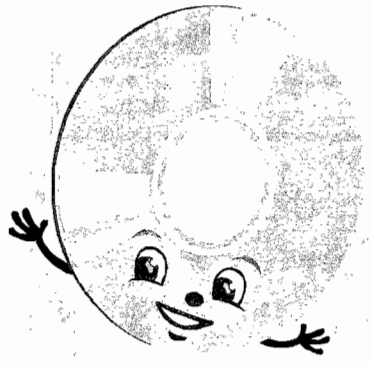
Notes

1. NS = No numeric standard has been set for this analyte.
2. MCL = 40 Code of Federal Regulations (CFR) Part 261.24.
3. mg/L = milligrams per liter.
4. Yellow Shaded values indicate parameter concentrations exceeded 40 CFR Part 261.24.
5. **V** = Analyte was detected in the method blank.
6. **I** = Analyte detected below quantitation limits.

ATTACHMENT 4

COMPACT DISK CONTAINING
REPORT IN PDF FORMAT AND
ADaPT FILES

ATTENTION



ATTACHMENT 4 IS AVAILABLE ON DISC:

- To view the disk please contact:

State of Florida
Department of Environmental Protection
Waste Cleanup Program
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
Phone: (813) 632-7600