UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

MEMORANDUM

SUBJECT: Request for a Time Critical Emergency Removal Action at the CES Environmental Services, Inc. Site, Houston, Harris County, Texas

FROM: for Gary Moore, On-Scene Coordinator J. Chris Petersen
Prevention and Response Branch, Removal Team (6SF-PR)

TO: Carl E. Edlund, P.E., Director
Superfund Division (6SF)

THRU: for Ronald D. Crossland, Associate Director J. Chris Petersen
Prevention and Response Branch (6SF-P)

I. PURPOSE

The purpose of this Action Memorandum is to request and document approval of the selected time-critical emergency removal action described herein in accordance with the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9604, for the CES Environmental Services Site, Houston, Harris County, Texas. This time-critical emergency removal action provides for the removal of the threat to human health and the environment posed by abandoned chemicals.

The proposed plan of action meets the criteria for initiating a removal action under Section 300.415 of the National Contingency Plan (NCP), 40 C.F.R. § 300.415. This action is expected to require less than twelve months (from mobilization) and up to $2 million to complete. The Superfund Division Director gave verbal authority of $500,000 on August 14, 2014 to begin the response.

II. SITE CONDITIONS AND BACKGROUND

CERCLIS:	TXD008950461
Category of Removal:	Time Critical
Site ID:	A6JP
Latitude:	29.6984
Longitude:	-95.3435

9857040

A. Site Description

1. Removal Site Evaluation

This Site is a former chemical recycling facility that filed for bankruptcy in 2010. The Site is under the control of a Trustee appointed by the Bankruptcy Court. Limited action has been taken by the Estate to dispose of the chemicals located on the Site. The Site has recently experienced vandalism which has resulted in the spillage of chemicals and waste to the ground surface and into a residential neighborhood. These spill responses were addressed by the Estate, Texas Commission on Environmental Quality (TCEQ), and the EPA. The Estate has been attempting to clean up the property and sell to recover assets for the Estate. The Estate currently has limited resources which may make the cleanup of the property and asset recovery difficult. The site consists of approximately 11 vacuum boxes, 2 roll-off boxes, 12 frac tanks, 2 Tanker Trailers, 20 Aboveground Storage Tanks (ASTs), 15 Waste Water Treatment Tanks, Waste Piles, and numerous totes, vats, drums, and smaller containers.

2. Physical Location

The Site is located at 4904 Griggs Road, Houston, Harris County, TX. Other contiguous properties associated with the site are 4900 Griggs Road, and 5910 Wayland Street. The Site is surrounded by residential, educational, and commercial properties.

3. Site Characteristics

The Site is a former chemical recycling facility. As previously mentioned, there are numerous chemical containers located on-site including vacuum boxes, roll-off boxes, frac tanks, tanker trailers, ASTs, Waste Water Treatment Tanks, and numerous totes, vats, drums, buckets, and sample jars. These containers have not been actively managed or secured to prevent releases to the environment since prior to August 2010.

4. Release or Threatened Release into the Environment of a Hazardous Substance, or Pollutant or Contaminant

On or about April 9, 2014, a release occurred from the facility which resulted in a Houston Hazmat Team response. The Estate, through its consultant, hired a response contractor to address the spill. The spill resulted in a very chemically aromatic odor (cresol/phenol) emanating from the facility into the residential neighborhood and resulted in numerous citizen complaints. The TCEQ also responded to the aftermath of this incident and took steps to secure the facility.

On or about July 31, 2014, another release occurred from the facility. It is believed that this release occurred from a tanker trailer containing oily material and water. The spill material was carried off-site into the residential area by a 6 inch rainfall event. Vandalism is suspected as the

cause of the incident. The City of Houston (COH), TCEQ, and EPA responded to the incident. The City of Houston provided the initial response and TCEQ completed the response. EPA provided sampling support and repaired the security fencing around the facility.

The information below, which was provided by the Estate's consultant, shows that there are hazardous wastes along with various hazardous substances within containers located on the Site. The hazardous substance include but are not limited to:

	VB640	VB6042	VB25141	VB639	VB618	VB2567	VB610
Benzene (D018)	•	•	•	•	•	•	•
Creosol (D023-026)	•	•	•			•	
2,4,6-Trichlorophenol (D042)	•		•			•	
pH (D002)					•		
Ignitability (D001)					•		•

	Oil 1	Oil 2	Oil 3	Oil 7	Oil 8	Oil 9	OT 2	OT 3	OT6	OT 7
Benzene (D018)	•	•	•	•	•	•	•	•	•	•
Creosol (D023-026)									•	
MEK (D035)										
1,2-Dichloroethane (D028)			•							

These chemicals are hazardous substances as defined by Section 101(14) of CERCLA, 42 U.S.C. 9601(14), and further defined at 40 C.F.R. 302.4.

5. NPL Status

This Site is not currently on the National Priorities List (NPL).

6. Maps, Pictures and Other Graphic Representations

Attachment 1 Site Location Map
Attachment 2 Site Area Map
Attachment 3 Site Layout and Lab Results from Estate
Attachment 4 Enforcement Attachment (Confidential)

B. Other Actions to Date

1. Previous Actions

In April 2014, the TCEQ Houston Regional Office conducted an emergency action at the site which included securing the entry gate on Wayland Street, relocating some chemical containers from warehouse on Wayland Street, placing piles of contaminated debris on plastic sheeting and covered with plastic sheeting, and using sand to place containment or repair containment around chemical containers to provide secondary containment.

In August 2014, the COH and the TCEQ Houston Regional Office conducted an emergency action at the Site and within the residential area south of the Site. It appears that a vandal opened the valve on a tanker trailer containing an oil and water mixture. This spill was pushed into the residential community by storm water resulting from a 6 inch rainfall event. The COH and TCEQ removed the spilled material from open and covered storm sewers, flushed the storm sewers, removed the oily material from ponded areas on the site, repaired soil containment structures, and placed a containment structure to prevent offsite drainage from the facility. The EPA assisted in this effort by repairing the security fencing around the Site and sampling soil, water, suspected source, and air. This action is still open.

2. Current Actions

The TCEQ is requiring the Estate to take action on the site to the extent it has funding. Those actions started in July 2014 and will include addressing the disposal of certain containers that are leaking which include RB601, VB617, and 3 Waste Piles. These actions are expected to be completed by October 2014.

C. State and Local Authorities' Role

1. State and Local Actions to Date

See II.B.1 above.

2. Potential for continued State/Local response

The TCEQ has indicated that they will take action on the site in conjunction with the action being taken by EPA. Additionally, the TCEQ will assist EPA in conducting a Preliminary Assessment/Site Investigation (PA/SI) to evaluate the site for potential ranking on the NPL and/or State Superfund so that additional funding can be made available to fully address the Site as necessary.

The EPA is also working with the City of Houston to determine what actions that they make take to assist in this effort. Items being considered are disposing of illegal solid waste dumped on the Site and providing a water source to the cleanup activities. The EPA will also request additional services as may be necessary.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT AND STATUTORY AND REGULATORY AUTHORITIES

Section 300.415 of the NCP lists the factors to be considered in determining the appropriateness of a removal action. Paragraphs (b)(2)(i), (iv), (v), (vi) and (vii) directly apply to the conditions at the Site. Any one of these factors may be sufficient to determine whether a removal action is appropriate.

A. Threats to Public Health or Welfare

1. Exposure to Human Populations, Animals or the Food Chain, NCP Section 300.415(b)(2)(i).

The Site is bordered by residential and commercial properties and a school. The Site fencing has been repaired to remove open access to the facility but fencing in some area is still not in the best condition. Regardless of the condition of the fencing, trespassers have removed fence panels to gain access so this is apparently not an effective deterrent to restrict access from those that wish to enter the facility. Trespassers have caused releases from containers on this facility. Additionally, the chemical containers have not been maintained and most were not intended for long-term storage. Releases from these containers has occurred and is likely to continue should no action be taken. Releases from these containers could easily result in exposures to the surrounding population.

2. High Levels of Hazardous Substances or Pollutants or Contaminants Soils Largely at or Near the Surface, that May Migrate, NCP Section 300.415(b)(2)(iv).

The soil areas of the Site have not been investigated but are expected to have been contaminated as a result of the historic operations of the facility as well as the recent vandalism resulting in chemical spillage and dumping of roll-off boxes full of chemical contaminated debris.

3. Weather Conditions that may Cause Hazardous Substances or Pollutants or Contaminants to Migrate or be Released, NCP Section 300.415(b)(2)(v).

The Site is located near the Texas Gulf Coast and is subject to severe weather conditions including significant thunderstorms, flooding rainfall, tropical storms and hurricanes. These conditions could rupture containers and cause releases which could impact surrounding residential population and properties as well as causing releases to storm water systems that drain to the Houston Ship Channel and Gulf of Mexico.

4. Threat of Fire or Explosion, NCEP Section 300.415(b)(2)(vi)

The Site is abandoned which makes it subject to arson. Additionally, lightning strikes and mixing of incompatible wastes could result in fire or explosion. A fire or explosion would result in a potential inhalation exposure to the surrounding populations as well as a wide spread evacuation of the area.

5. Availability of Other Response Mechanisms, NCP Section 300.415(b)(2)(vii).

The EPA intends to address the chemical containers, spillage on hard surfaces, and visible contamination located on the Site. The TCEQ has requested assistance from the EPA as they do not have the funding necessary to fully address the actions envisioned by the removal action. The TCEQ intends to assist with this action with their own contract mechanisms.

B. Threats to the Environment

It is unlikely that there would be a significant ecological impact resulting from the contamination or spillage on the Site. This Site poses more of a human health threat due primarily to potential exposure to the chemicals located on the Site.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances, pollutants or contaminants from this Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to the public health, welfare, or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed Action Description

The EPA anticipates the following activities:

- Removal/Disposal of chemicals;
- Decontaminating chemical jars, pails, drums, totes, vats, and other containers and disposing/recycling as determined necessary;
- Decontaminating portable containers, aboveground storage tanks, vacuum boxes, roll-off boxes, frac tanks, and other bulk storage containers and disposing/recycling as determined necessary;
- Removing/Disposing of visible chemical spillage to soil and other surfaces;
- Removing/Disposing of contaminated and/or non-contaminated debris;

2. Contribution to Remedial Performance

The action is intended to address the chemical containers, spillage on hard surfaces, and visible contamination located on the Site. As a result, this action will be consistent with any actions that would be required should a Remedial Action be determined necessary.

3. Applicable or Relevant and Appropriate Requirements

This removal action will be conducted to eliminate the actual or potential release of a hazardous substance, pollutant, or contaminant to the environment, pursuant to CERCLA, 42 U.S.C. § 9601 et seq., in a manner consistent with the NCP, 40 C.F.R. Part 300. As per 40 C.F.R. § 300.415(i), Fund-financed removal actions pursuant to CERCLA Section 104, 42 U.S.C. § 9604, and removal actions pursuant to CERCLA Section 106, 42 U.S.C. § 9606, shall, to the extent practicable considering the exigencies of the situation, attain the applicable or relevant and appropriate requirements under Federal environmental law, including the Toxic Substances and Control Act (TSCA), 15 U.S.C. § 2601 et. seq., the Safe Drinking Water Act (SDWA), 42 U.S.C. § 300 et. seq., the Clean Air Act (CAA), 42 U.S.C. § 7401 et. seq., Clean Water Act (CWA), 33 U.S.C. § 1251 et. seq., the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. § 6901 et. seq., or

any promulgated standard, applicable or relevant and appropriate requirements, criteria, or limitation under a state environmental or facility citing law that is more stringent than any Federal standard, requirement, criteria, or limitation contained in a program approved, authorized or delegated by the Administrator and identified to the President by the state.

Due to the fact that consolidation and offsite disposal are the principal elements of this removal action, RCRA waste analysis requirements found at 40 C.F.R. §§ 261.20 and 261.30, RCRA manifesting requirements found at 40 C.F.R. § 262.20, and RCRA packaging and labeling requirements found at 40 C.F.R. § 262.30 are deemed to be relevant and appropriate requirements for this removal action. Because onsite storage of hazardous wastes by EPA is not expected to exceed ninety days, specific storage requirements found at 40 CFR Part 265 are not applicable or relevant and appropriate (See 40 CFR § 262.34). All hazardous substances, pollutants, or contaminants removed offsite for treatment, storage, or disposal shall be treated, stored, or disposed at a facility in compliance, as determined by EPA, pursuant to 40 CFR § 300.440. All offsite transportation of hazardous materials will be performed in conformity with U.S. Department of Transportation (DOT) requirements at 49 CFR § 172.

4. Project Schedule

The EPA anticipates initiating these actions as quickly as possible to address the issues associated with the Site.

B. Estimated Costs

Extramural Costs:

ERRS	$ 1,750,000
START-3	$ 150,000
Contingency	$ 100,000
TOTAL EXTRAMURAL COSTS	$ 2,000,000

The total budget for this removal action based on full-cost accounting practices that will be eligible for cost recovery. The budgeted costs are estimated to be **$ 2,900,400.**

((Direct Cost) + (Other Direct) + (Contingency)) + (45.02% of Total Direct {Indirect Cost}) = Estimated EPA Cost for a Removal Action

$ 1,600,000 + 200,000 + 200,000 + (45.02% x $ 2,000,000) = **$ 2,900,400**

Direct costs include direct extramural costs and direct intramural costs. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site-specific

direct costs, consistent with the full cost accounting methodology effective October 2, 2002. These estimates do not include pre-judgment interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only, and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor the deviation of actual total costs from this estimate will affect the United States' right to cost recovery.

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

The Estate and the TCEQ do not have the necessary funding to address the full extent of the chemicals and contamination located on the Site. If this response action is not taken, the surrounding residential populations may be exposed to hazardous chemicals resulting from spillage whether it be by vandalism, weather conditions, or deterioration of containers.

VII. OUTSTANDING POLICY ISSUES

There are no known outstanding policy issues associated with this Site.

VIII. ENFORCEMENT

See Enforcement Attachment.

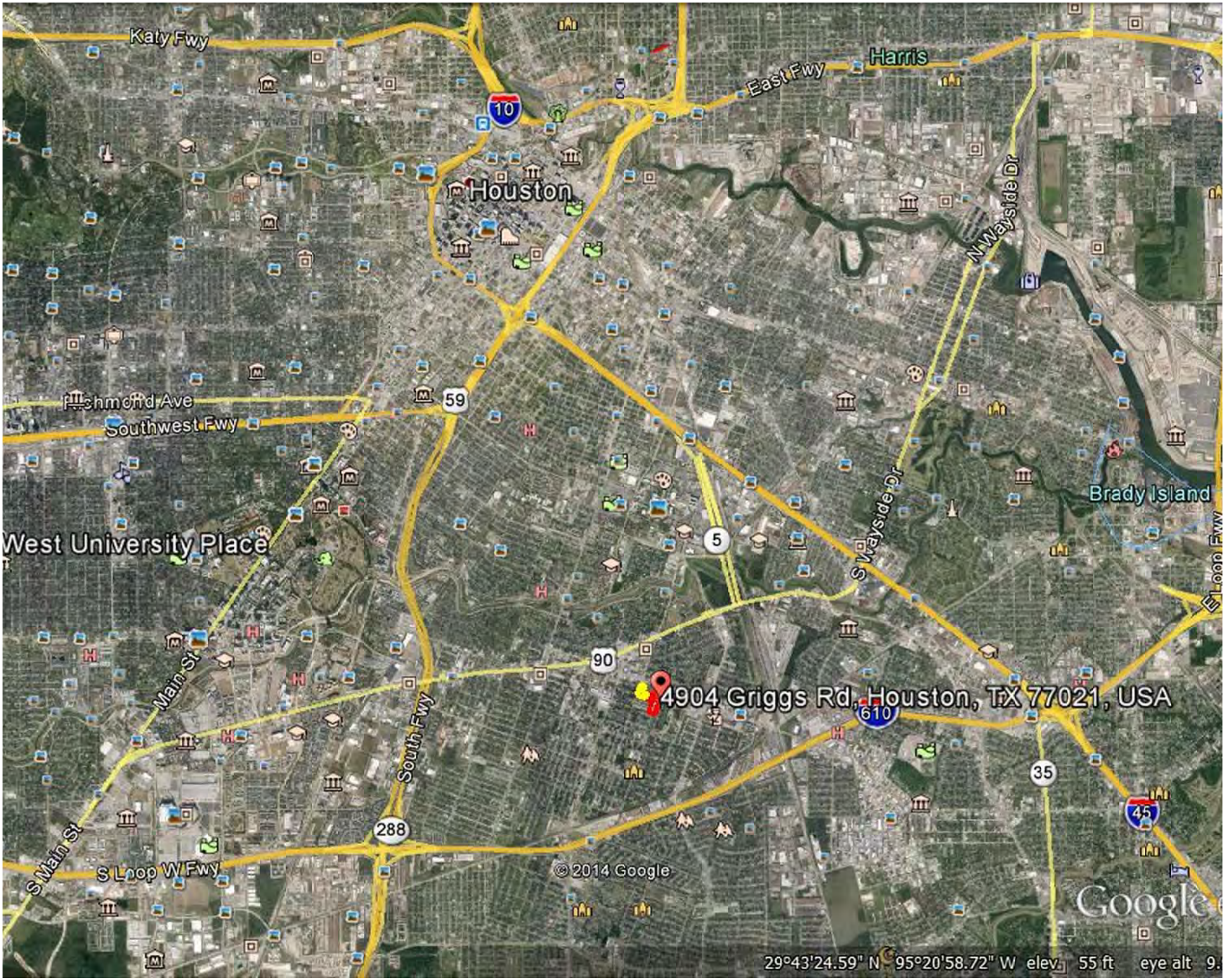
IX. RECOMMENDATION

This decision documents the selected removal action for the CES Environmental Services, Inc. Site, Houston, Harris County, Texas developed in accordance with CERCLA, 42 U.S.C. § 9601 et seq., and not inconsistent with the NCP, 40 C.F.R. Part 300. This action was based on the administrative record for the Site. Because the conditions at the Site meet the criteria defined in Section 300.415 and 300.305 of the NCP I recommend your approval of the proposed removal action. The total CERCLA extramural project ceiling if approved will be $ 2,000,000. Of this, an estimated $1,600,000 (without contingency) will come from the Regional Removal Allowance.

APPROVED: Pam Phillips, Acting DATE: 8/26/14

Carl E. Edlund, P.E., Director
Superfund Division
U.S. Environmental Protection Agency, Region 6

Attachment 1



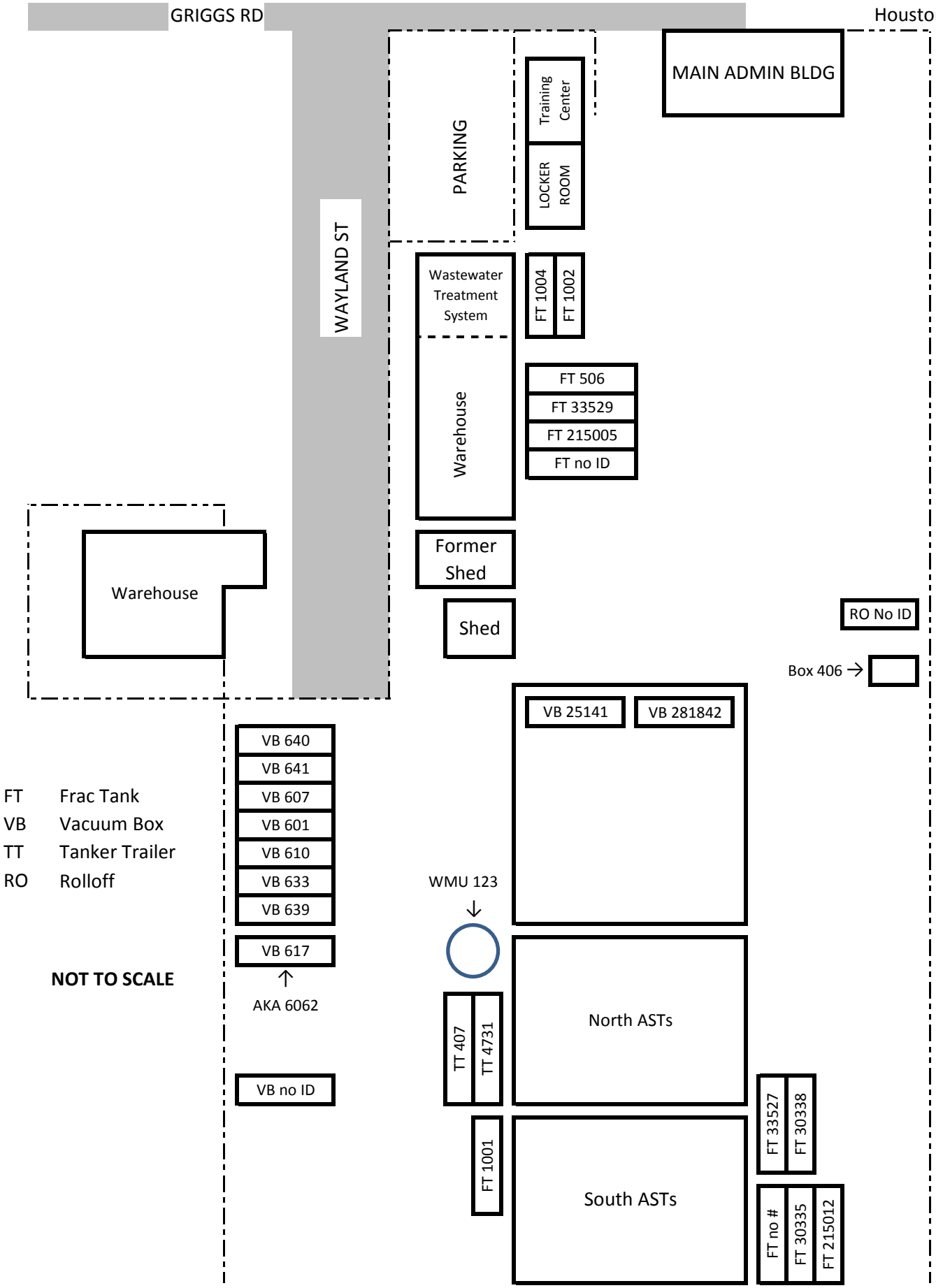
Attachment 2

Attachment 3

05/24/2014

CES

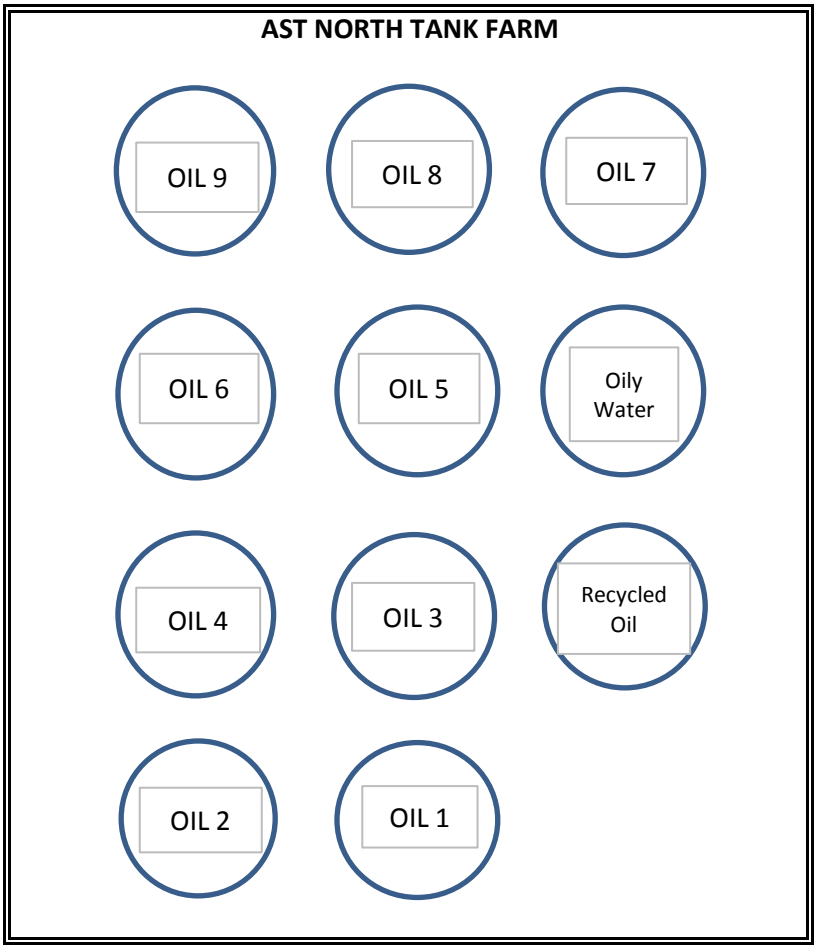
4904 Griggs Rd
Houston, TX



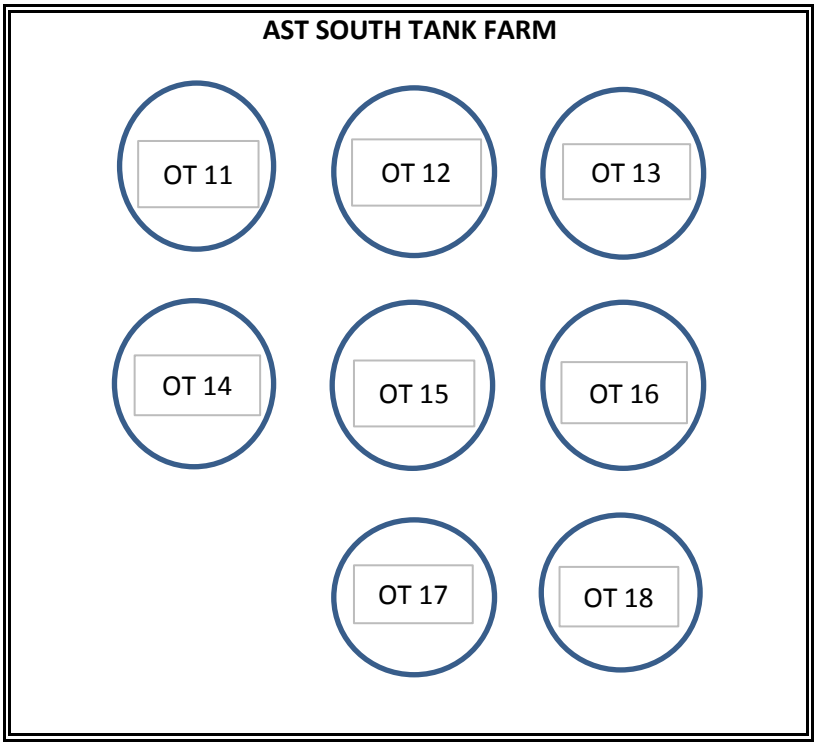
FT Frac Tank
VB Vacuum Box
TT Tanker Trailer
RO Rolloff

NOT TO SCALE

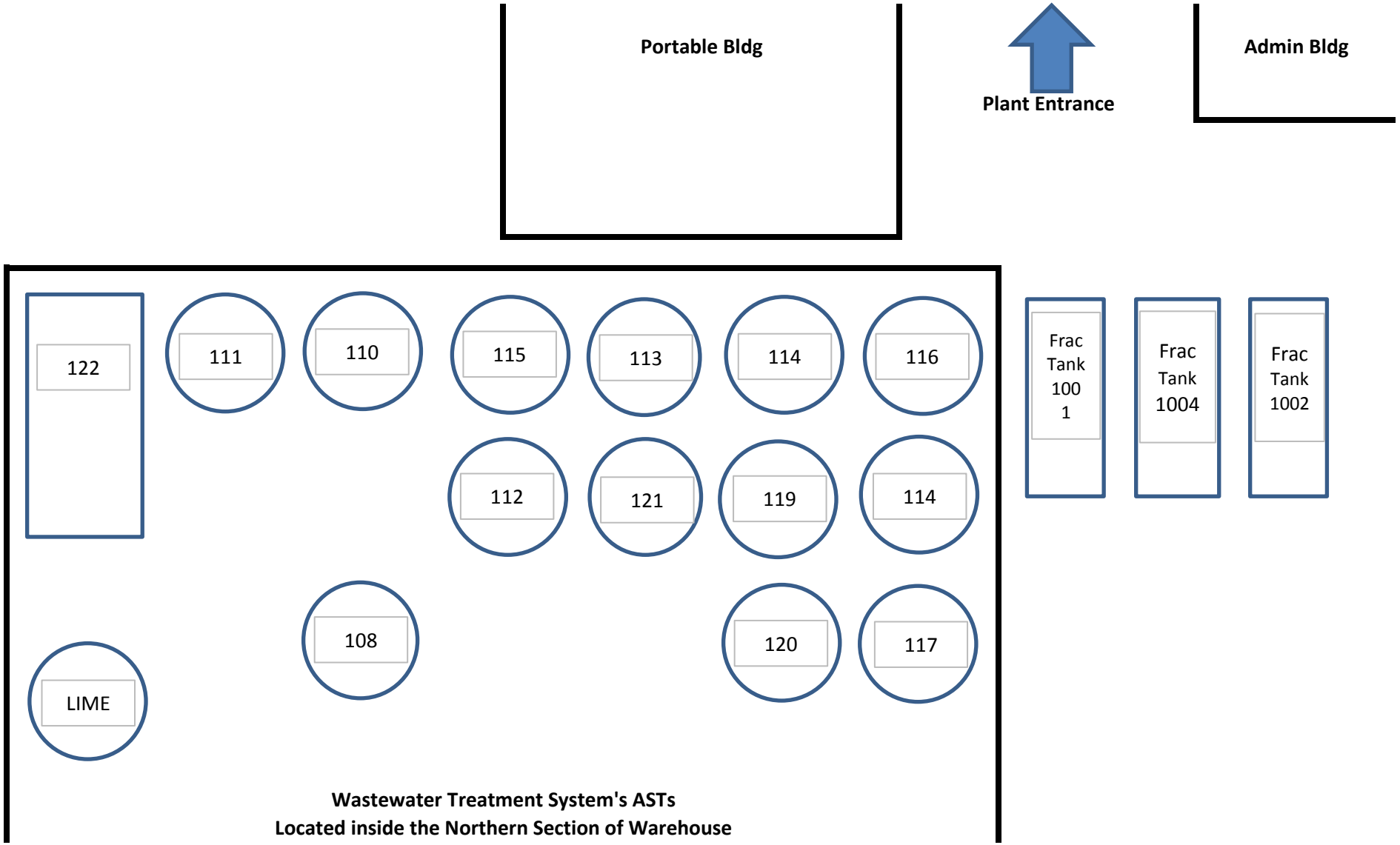
CES
4904 GRIGG'S RD, HOUSTON TX



AST North Tank Farm	
Facility ID	Bluebonnet ID
OIL 1	OT1
OIL 2	OT2
OIL 3	OT3
OIL 4	OT4
OIL 5	OT5
OIL 6	OT6
OIL 7	OT7
OIL 8	OT8
OIL 9	OT9
Oily Water	WT1
Recycled Oil	FT1



AST South Tank Farm	
Facility ID	Bluebonnet ID
OT 1	NP1
OT 2	NP2
OT 3	NP3
OT 4	NP4
OT 5	NP5
OT 6	NP6
OT 7	NP7
OT 8	NP8


Portable Bldg
Plant Entrance
Admin Bldg
122
111
110
115
113
114
116
112
121
119
114
108
120
117
LIME
Frac Tank 100 1
Frac Tank 1004
Frac Tank 1002
Wastewater Treatment System's ASTs
Located inside the Northern Section of Warehouse

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-452	DATE/TIME COLLECTED	02-22-2011@1:58pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Organics Tanker 406 From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.318	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	BRL	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-452	DATE/TIME COLLECTED	02-22-2011@1:58pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Organics Tanker 406 From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	BRL	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	BRL	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	BRL	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	7.25
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	> 230
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

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Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.558	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	1.456	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.994	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	BRL	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	BRL	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	BRL	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	8.412	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.53
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	156
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.474	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.375	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.642	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	450.610	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	153.512	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	604.122	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	8.696	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.82
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	152
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-455	DATE/TIME COLLECTED	02-22-2011@3:15pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Water-Frac Tanks (Consolidated Sample) From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.536	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	BRL	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-455	DATE/TIME COLLECTED	02-22-2011@3:15pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Water-Frac Tanks (Consolidated Sample) From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	BRL	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	BRL	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	BRL	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.52
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	150
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

5915 STAR LANE HOUSTON, TX 77057
PH 713-680-9425 FAX: 713-680-9564 WEBSITE: PRECISIONLABS.ORG

CHAIN OF CUSTODY

PROJECT NAME AND LOCATION: CES-4904 GRIGGS-HOUSTON, TX 77021

CLIENT NAME: C4 ENVIRONMENTAL SERVICES, LLC 9000 LIBERTY RD., HOUSTON, TX 77028

LABORATORY ANALYSIS

SAMPLE DESCRIPTION	DATE	TIME	Gravity API @ 60°F	Flash Point PMCC or COC	~~Other~~ R.C.I.	Ash	Total halogens EPA-9075	PCB's	Water by Distillation or KF	PURITY BY GC/FID OR IN-HOUSE METHOD	BTU's	As, Cd, Cr, Pb	Viscosity @	Pour point	Sediment by Extraction	8260 Halogenated voc's (rebuttal)	Metals (8 RCRA) Total or TCLP	Volatiles Total or TCLP	Semi-volatiles Total or TCLP	Pesticides & herbicides Total or TCLP	Total petroleum hydrocarbons	BTEX	Distillation D-86 OR D-1160	FULL BIODIESEL D-6751 OR EN	TOX EPA-9020 OR EOX EPA-9023	FREE&TOTAL GLYCERIN	COMPLETE FUEL OIL TESTING	RUSH (FEE EQUALS TESTING CH
ORGANICS-TANKER 406	2/22/11	1:52pm		*	X	X											X	X	X									
OILY SLUDGE-FT 506	2/22/11	12:20pm			X	X											X	X	X									
PHENOLIC CAUSTIC-FT 1004	2/22/11	2:40pm			X	X											X	X	X									
* OILY WATER-FRAC TANKS (Consolidated sample)	2/22/11	3:15pm			X	X											X	X	X									

2011-02-452
C4 ENVIRONMENTAL
Sample ID:ORGANICS-TANKER 406 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-453
C4 ENVIRONMENTAL
Sample ID:OILY SLUDGE-FT 506 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-454
C4 ENVIRONMENTAL
Sample ID:PHENOLIC CAUSTIC-FT 1004 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-455
C4 ENVIRONMENTAL
Sample ID:OILY WATER-FRAC TANKS(CONSOILIDATED SAMPLE) FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

SPECIAL INSTRUCTIONS:
* Consolidated sample is FRAC TANKS - S-1, F215005, 33529, 1002, 1001 (5 TOTAL)

Y:	ACCEPTED BY	DATE	TIME
	R GARCIA	2-22-11	4:05 pm
		RECEIVED	

OTHER METALS(PLEASE CIRCLE): AG, AL, BA, BE, B, CA, CO, FE, PB, MG, MN, HG, MO, NI, P, K, SE, SI, NA, TL, SN, TI, V, ZN

FEB 22 2011
PRECISION PETROLEUM LABS, INC.

QUALITY CONTROL REPORT FOR METALS IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT, MG/KG	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULTS FOR METHOD BLANK
ARSENIC	EPA-6010B	0.500	88	118	82	BRL
BARIUM	EPA-6010B	0.100	107	76	108	BRL
CADMIUM	EPA-6010B	0.100	113	105	116	BRL
CHROMIUM	EPA-6010B	0.150	92	119	93	BRL
LEAD	EPA-6010B	0.390	89	124	95	BRL
MERCURY	EPA-6010B	0.170	93	113	114	BRL
SELENIUM	EPA-6010B	0.630	98	78	77	BRL
SILVER	EPA-6010B	0.130	102	89	94	BRL

2/23/2011

ANALYST: T.H.

LABORATORY CONTROL SAMPLE@10.00MG/KG

ACCEPTABLE RECOVER RANGE FOR LABORATORY CONTROL SAMPLE: 85% -115%

MATRIX SPIKE SAMPLES@10.00MG/KG

ACCEPTABLE RANGE FOR MATRIX SPIKE SAMPLES: 75%-125%

BRL: BELOW REPORTING LIMIT

QUALITY CONTROL REPORT FOR VOLATILES IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT,PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
BENZENE	S.W.8260	0.010	79	115	116	BRL
CHLOROBENZENE	S.W.8260	0.010	108	113	90	BRL
TRICHLOROETHENE	S.W.8260	0.010	120	94	118	BRL
1,1-DICHLOROETHENE	S.W.8260	0.010	97	106	71	BRL
TOLUENE	S.W.8260	0.010	92	123	83	BRL

DATE: 2-23-2011

ANALYST: E.B.

LABORATORY CONTROL SAMPLE@10.00 PPM

ACCEPTABLE RECOVERY RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@10.00M PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

QUALITY CONTROL REPORT FOR SEMI-VOLATILES IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
HEXACHLOROBENZENE	S.W.8270	0.10	104	109	87	BRL
O-CRESOL	S.W.8270	0.10	93	83	75	BRL
PENTACHLOROPHENOL	S.W.8270	0.10	126	85	72	BRL
NAPHTHALENE	S.W.8270	0.10	118	116	110	BRL

2/23/2011

ANALYST: D.Z.

LABORATORY CONTROL SAMPLE@ 1.00PPM

ACCEPTABLE RECOVERY RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@ 1.00PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564						
ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
SULFIDES	EPA-9030	1.0	82	89	120	BRL

DATE: 2/23/2011

ANALYST:T.H.

LABORATORY CONTROL SAMPLE@10.0PPM

ACCEPTABLE RANGE FOR LABORATORY CONTROL SAMPLE: 70% -130%

MATRIX SPIKE SAMPLES@ 10.0PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564						
ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
CYANIDES	EPA-9010	0.01	118	111	96	BRL

DATE: 2/23/2011

ANALYST: T.H.

LABORATORY CONTROL SAMPLE @ 1.00PPM

ACCEPTABLE RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@ 1.00PPM

ACCEPTABLE RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

QUALITY CONTROL REPORT FOR IGNITABILITY S.W.1010

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT,deg F	P-XYLENE STANDARD TEST RESULT	ACCEPTABLE RANGE	ACTUAL FLASH POINT OF P-XYLENE	VARIANCE FROM ACTUAL FLASH
IGNITABILITY, deg F	S.W. 1010	-10	80	78-84	81	1
DATE:	2/23/2011		COMMENTS:			
ANALYST:	Y.G.					

PRECISION PETROLEUM LABS, INC.

5915 STAR LANE HOUSTON, TX 77057
PH 713-680-9425 FAX: 713-680-9564 WEBSITE: PRECISIONLABS.ORG

CHAIN OF CUSTODY

PROJECT NAME AND LOCATION: CES-4904 GRIGGS-HOUSTON, TX 77021

CLIENT NAME: C4 ENVIRONMENTAL SERVICES, LLC 9000 LIBERTY RD., HOUSTON, TX 77028

LABORATORY ANALYSIS

SAMPLE DESCRIPTION	DATE	TIME	Gravity API @ 60°F	Flash Point PMCC or COC	~~Water~~ R.C.I.	Ash	Total halogens EPA-9075	PCB's	Water by Distillation or KF	PURITY BY GC/FID OR IN-HOUSE METHOD	BTU's	As, Cd, Cr, Pb	Viscosity @	Pour point	Sediment by Extraction	8260 Halogenated voc's (rebuttal)	Metals (8 RCRA) Total or TCLP	Volatiles Total or TCLP	Semi-volatiles Total or TCLP	Pesticides & herbicides Total or TCLP	Total petroleum hydrocarbons	BTEX	Distillation D-86 OR D-1160	FULL BIODIESEL D-6751 OR EN	TOX EPA-9020 OR EOX EPA-9023	FREE&TOTAL GLYCERIN	COMPLETE FUEL OIL TESTING	RUSH (FEE EQUALS TESTING CHARGES)
ORGANICS-TANKER 406	2/22/11	1:52pm			X	X											X	X	X									
OILY SLUDGE-FT 506	2/22/11	12:26pm			X	X											X	X	X									
PHENOLIC CAUSTIC-FT 1004	2/22/11	2:40pm			X	X											X	X	X									
* OILY WATER-FRAC TANKS (Consolidated sample)	2/22/11	3:15pm			X	X											X	X	X									

2011-02-452
C4 ENVIRONMENTAL
Sample ID:ORGANICS-TANKER 406 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-453
C4 ENVIRONMENTAL
Sample ID:OILY SLUDGE-FT 506 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-454
C4 ENVIRONMENTAL
Sample ID:PHENOLIC CAUSTIC-FT 1004 FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

2011-02-455
C4 ENVIRONMENTAL
Sample ID:OILY WATER-FRAC TANKS(CONSOILIDATED SAMPLE) FROM CES 2-22-11
Date Received 02-22-2011
Authorized By GARY BRAUKMAN

SPECIAL INSTRUCTIONS:
* Consolidated sample is FRAC TANKS - S-1, FZ15005, 33529, 1002, 1001 (5 TOTAL)

Y:	ACCEPTED BY	DATE	TIME
	R GARCIA	2-22-11	4:05 pm

OTHER METALS(PLEASE CIRCLE): AG, AL, BA, BE, B, CA, CO, FE, PB, MG, MN, HG, MO, NI, P, K, SE, SI, NA, TL, SN, TI, V, ZN

FEB 22 2011
PRECISION PETROLEUM LABS, INC.

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-508	DATE/TIME COLLECTED	02-23-2011@11:35am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 25141 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.628	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.394	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	3.106	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	2.255	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-508	DATE/TIME COLLECTED	02-23-2011@11:35am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 25141 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	875.275	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	439.549	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	1314.824	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	15.890	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	19.228	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	5.45
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	> 230
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-509	DATE/TIME COLLECTED	02-23-2011@12:45pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #607 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.723	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	BRL	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-509	DATE/TIME COLLECTED	02-23-2011@12:45pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #607 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	1.771	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	1.889	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	3.660	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.61
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	> 230
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.663	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.111	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.184	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	1.674	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	158.598	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	44.486	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	203.084	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	11.11
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	147
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-511	DATE/TIME COLLECTED	02-23-2011@12:55pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #641 (Oily Water) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.188	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	BRL	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-511	DATE/TIME COLLECTED	02-23-2011@12:55pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #641 (Oily Water) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	1.790	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	1.909	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	3.699	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000

DATE ANALYZED: **02-25-2011**
ANALYST INITIALS: **D.Z.**

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	8.01
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	195
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS **5915 Star Lane, Houston, TX 77057** **Ph. 713-680-9425 Fax: 713-680-9564** **Website: precisionlabs.org**	**Client Name: C4 Environmental Services, LLC** **Street Address: 9000 Liberty Rd** **City, State, Zip: Houston, TX 77028**

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-512	DATE/TIME COLLECTED	02-23-2011@12:15pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #639 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.106	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.207	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	15.168	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-512	DATE/TIME COLLECTED	02-23-2011@12:15pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #639 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	26.246	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	10.722	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	36.968	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	10.68
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	135
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-513	DATE/TIME COLLECTED	02-23-2011@1:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #618 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	BRL	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	24.160	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-513	DATE/TIME COLLECTED	02-23-2011@1:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #618 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	15.939	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	12.611	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	28.550	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	13.15
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	85
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-514	DATE/TIME COLLECTED	02-23-2011@1:35pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #632 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.463	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.273	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.417	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	0.197	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-514	DATE/TIME COLLECTED	02-23-2011@1:35pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #632 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	126.660	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	25.398	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	152.058	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.00
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	> 230
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-515	DATE/TIME COLLECTED	02-23-2011@11:10am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #2567 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	BRL	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	3.135	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	0.637	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-515	DATE/TIME COLLECTED	02-23-2011@11:10am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #2567 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	581.290	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	345.930	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	927.220	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	12.144	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	14.654	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.85
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	156
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-516	DATE/TIME COLLECTED	02-23-2011@12:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #610 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	4.092	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.446	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	1.285	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	76.148	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-516	DATE/TIME COLLECTED	02-23-2011@12:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #610 (Oily Sludge) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	4.966	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	5.296	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	10.262	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	5.50
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	49
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.996	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.320	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.275	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.992	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	4.752	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	385.082	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	185.973	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	571.055	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	28.984	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	34.881	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	7.46
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	148
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC

5915 STAR LANE HOUSTON, TX 77057
PH 713-680-9425 FAX: 713-680-9564 WEBSITE: PRECISIONLABS.ORG

CHAIN OF CUSTODY

PROJECT NAME AND LOCATION: CES-4900 GRIGGS RD, HOUSTON, TX 77021

CLIENT NAME: C4 ENVIRONMENTAL SERVICES 9000 LIBERTY RD., HOUSTON, TX 77028

LABORATORY ANALYSIS

SAMPLE DESCRIPTION	DATE	TIME	Gravity API @ 60°F	Flash Point PMCC or COC	Sulfur	RCI	Total halogens EPA-9075	PCB's	Water by Distillation or KF	PURITY BY GC/FID OR IN-HOUSE METHOD	BTU's	As, Cd, Cr, Pb	Viscosity @	Pour point	Sediment by Extraction	8260 Halogenated voc's (rebuttal)	Metals (8 RCRA) Total or TCLP	Volatiles Total or TCLP	Semi-volatiles Total or TCLP	Pesticides & herbicides Total or TCLP	Total petroleum hydrocarbons	BTEX	Distillation D-86 OR D-1160	FULL BIODIESEL D-6751 OR EN	TOX EPA-9020 OR EOX EPA-9023	FREE&TOTAL GLYCERIN	COMPLETE FUEL OIL TEST	RUSH (FEE EQUALS TEST)
VB 2514 (PHENOLIC WASTE)	2/23/11	11:35am				X	X										X	X	X									
VB #607 (OILY SLUDGE)	2/23/11	12:45pm				X	X										X	X	X									
VB 6062 (PHENOLIC WASTE)	2/23/11	11:25am				X	X										X	X	X									
VB #641 (OILY WATER)	2/23/11	12:55pm				X	X										X	X	X									
VB #639 (OILY SLUDGE)	2/23/11	12:15pm				X	X										X	X	X									
VB #618 (PHENOLIC WASTE)	2/23/11	1:20pm				X	X										X	X	X									
VB# 632 (PHENOLIC WASTE)	2/23/11	1:35pm				X	X										X	X	X									
VB 2567 (PHENOLIC WASTE)	2/23/11	11:10am				X	X										X	X	X									
VB #610 (OILY SLUDGE)	2/23/11	12:25pm				X	X										X	X	X									
VB #640 (PHENOLIC WASTE)	2/23/11	1:25pm				X	X										X	X	X									

SPECIAL INSTRUCTIONS:	TRANSFER NUMBER	TRANSFER RELINQUISHED BY:	ACCEPTED BY	DATE	TIME
		[illegible]	R. GARCIA	2-23-11	4:28 pm

OTHER METALS(PLEASE CIRCLE): AG, AL, BA, BE, B, CA, CO, FE, PB, MG, MN, HG, MO, NI, P, K, SE, SI, NA, TL, SN, TI, V, ZN

B 23 2011
PRECISION PETROLEUM LABS, INC.

QUALITY CONTROL REPORT FOR SEMI-VOLATILES IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
HEXACHLOROBENZENE	S.W.8270	0.10	116	114	80	BRL
O-CRESOL	S.W.8270	0.10	77	91	110	BRL
PENTACHLOROPHENOL	S.W.8270	0.10	71	126	94	BRL
NAPHTHALENE	S.W.8270	0.10	83	106	86	BRL

2/25/2011

ANALYST: D.Z.

LABORATORY CONTROL SAMPLE@ 1.00PPM

ACCEPTABLE RECOVERY RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@ 1.00PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

QUALITY CONTROL REPORT FOR VOLATILES IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT,PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
BENZENE	S.W.8260	0.010	89	91	111	BRL
CHLOROBENZENE	S.W.8260	0.010	119	108	114	BRL
TRICHLOROETHENE	S.W.8260	0.010	81	82	95	BRL
1,1-DICHLOROETHENE	S.W.8260	0.010	120	76	83	BRL
TOLUENE	S.W.8260	0.010	113	70	101	BRL

DATE: 2-25-2011

ANALYST: E.B.

LABORATORY CONTROL SAMPLE@10.00 PPM

ACCEPTABLE RECOVERY RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@10.00M PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564						
ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
SULFIDES	EPA-9030	1.0	116	81	87	BRL

DATE: 2/25/2011

ANALYST:T.H.

LABORATORY CONTROL SAMPLE@10.0PPM

ACCEPTABLE RANGE FOR LABORATORY CONTROL SAMPLE: 70% -130%

MATRIX SPIKE SAMPLES@ 10.0PPM

ACCEPTABLE RECOVERY RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564						
ANALYTE	TEST METHOD	REPORTING LIMIT, PPM	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULT FOR METHOD BLANK
CYANIDES	EPA-9010	0.01	73	91	117	BRL

DATE: 2/25/2011

ANALYST: T.H.

LABORATORY CONTROL SAMPLE @ 1.00PPM

ACCEPTABLE RANGE FOR LABORATORY CONTROL SAMPLE: 70%-130%

MATRIX SPIKE SAMPLES@ 1.00PPM

ACCEPTABLE RANGE FOR MATRIX SPIKE SAMPLES: 70%-130%

BRL: BELOW REPORTING LIMIT

QUALITY CONTROL REPORT FOR IGNITABILITY S.W.1010

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT,deg F	P-XYLENE STANDARD TEST RESULT	ACCEPTABLE RANGE	ACTUAL FLASH POINT OF P-XYLENE	VARIANCE FROM ACTUAL FLASH
IGNITABILITY, deg F	S.W. 1010	-10	78	78-84	81	3
DATE:	2/25/2011		COMMENTS:			
ANALYST:	Y.G.					

QUALITY CONTROL REPORT FOR METALS IN SOLIDS

PRECISION PETROLEUM LABS, INC. 5915 STAR LN. HOUSTON, TX 77057 PH 713-680-9425 FAX 713-680-9564

ANALYTE	TEST METHOD	REPORTING LIMIT, MG/KG	% RECOVERY FOR LABORATORY CONTROL SAMPLE	% RECOVERY FOR MATRIX SPIKE	% RECOVERY FOR MATRIX SIPKE DUPLICATE	RESULTS FOR METHOD BLANK
ARSENIC	EPA-6010B	0.500	107	83	113	BRL
BARIUM	EPA-6010B	0.100	96	119	125	BRL
CADMIUM	EPA-6010B	0.100	87	95	109	BRL
CHROMIUM	EPA-6010B	0.150	90	93	98	BRL
LEAD	EPA-6010B	0.390	92	108	116	BRL
MERCURY	EPA-6010B	0.170	110	77	92	BRL
SELENIUM	EPA-6010B	0.630	85	80	84	BRL
SILVER	EPA-6010B	0.130	114	88	106	BRL

2/25/2011

ANALYST: T.H.

LABORATORY CONTROL SAMPLE@10.00MG/KG

ACCEPTABLE RECOVER RANGE FOR LABORATORY CONTROL SAMPLE: 85% -115%

MATRIX SPIKE SAMPLES@10.00MG/KG

ACCEPTABLE RANGE FOR MATRIX SPIKE SAMPLES: 75%-125%

BRL: BELOW REPORTING LIMIT

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.558	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	1.456	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	BRL	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.994	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	BRL	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	BRL	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	BRL	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	8.412	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.53
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	156
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL
Heavy Metals, PPM			
Arsenic	EPA-6010	0.50	2.68
Barium	EPA-6010	0.10	3.53
Cadmium	EPA-6010	0.10	0.11
Chromium	EPA-6010	0.15	2.82
Lead	EPA-6010	0.39	4.44
Mercury	EPA-6010	0.17	BRL
Selenium	EPA-6010	0.63	BRL
Silver	EPA-6010	0.13	0.17

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Acetone	S.W. 8260/5030	0.01	BRL
Acetonitrile	S.W. 8260/5030	0.01	BRL
Benzene	S.W. 8260/5030	0.01	10.80
Bromobenzene	S.W. 8260/5030	0.01	BRL
Bromodichloromethane	S.W. 8260/5030	0.01	BRL
Bromoform	S.W. 8260/5030	0.01	BRL
Bromomethane	S.W. 8260/5030	0.01	BRL
2-Butanone	S.W. 8260/5030	0.01	BRL
n-Butylbenzene	S.W. 8260/5030	0.01	BRL
sec-Butylbenzene	S.W. 8260/5030	0.01	BRL
tert-Butylbenzene	S.W. 8260/5030	0.01	BRL
Butyl acetate	S.W. 8260/5030	0.01	BRL
Butyl alcohol	S.W. 8260/5030	0.01	BRL
n-Butanol	S.W. 8260/5030	0.01	BRL
Carbon tetrachloride	S.W. 8260/5030	0.01	BRL
Chlorobenzene	S.W. 8260/5030	0.01	BRL
Chloroethane	S.W. 8260/5030	0.01	BRL
2-Chloroethylvinyl ether	S.W. 8260/5030	0.01	BRL
Chloroform	S.W. 8260/5030	0.01	BRL
Chloromethane	S.W. 8260/5030	0.01	BRL
2-Chlorotoluene	S.W. 8260/5030	0.01	BRL
4-Chlorotoluene	S.W. 8260/5030	0.01	BRL
1-Dibromo-3-chlorpropane	S.W. 8260/5030	0.01	BRL
Dibromochloromethane	S.W. 8260/5030	0.01	BRL
Dichlorobromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dibromoethane	S.W. 8260/5030	0.01	BRL
Dibromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,3-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,4-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
Dichlorodifluoromethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,2-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethene	S.W. 8260/5030	0.01	BRL
cis-1, 2-Dichloroethene	S.W. 8260/5030	0.01	BRL
trans-1,2-Dichloroethene	S.W. 8260/5030	0.01	BRL
1,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,3-Dichloropropane	S.W. 8260/5030	0.01	BRL
2,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,1-Dichloropropene	S.W. 8260/5030	0.01	BRL
cis-1,3-Dichloropropene	S.W. 8260/5030	0.01	BRL
trans-1,3-dichloropropene	S.W. 8260/5030	0.01	BRL
Diisopropyl ether	S.W. 8260/5030	0.01	BRL
Ethanol	S.W. 8260/5030	0.01	BRL
Ethyl alcohol	S.W. 8260/5030	0.01	BRL

Daniel Zabini **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Ethyl acetate	S.W. 8260/5030	0.01	BRL
Ethyl benzene	S.W. 8260/5030	0.01	57.33
Ethyl ether	S.W. 8260/5030	0.01	BRL
Ethyl mercaptan	S.W. 8260/5030	0.01	BRL
Heptane and heptanes	S.W. 8260/5030	0.01	BRL
Hexachloro-1,3-butadiene	S.W. 8260/5030	0.01	BRL
2-Hexanone	S.W. 8260/5030	0.01	BRL
Hexane and hexanes	S.W. 8260/5030	0.01	BRL
Isobutyl acetate	S.W. 8260/5030	0.01	BRL
Isobutyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl acetate	S.W. 8260/5030	0.01	BRL
Isopropyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl benzene	S.W. 8260/5030	0.01	BRL
p-Isopropyltoluene	S.W. 8260/5030	0.01	BRL
Methanol	S.W. 8260/5030	0.01	BRL
Methyl acetate	S.W. 8260/5030	0.01	BRL
Methyl alcohol	S.W. 8260/5030	0.01	BRL
Methyl Ethyl Ketone	S.W. 8260/5030	0.01	BRL
Methylene chloride	S.W. 8260/5030	0.01	BRL
4-Methyl-2-pentanone	S.W. 8260/5030	0.01	BRL
Methyl-tert-butyl ether	S.W. 8260/5030	0.01	BRL
Methyl Isobutyl Ketone	S.W. 8260/5030	0.01	BRL
Nitrobenzene	S.W. 8260/5030	0.01	BRL
Propyl acetate	S.W. 8260/5030	0.01	BRL
Propyl alcohol	S.W. 8260/5030	0.01	BRL
n-Propyl-benzene	S.W. 8260/5030	0.01	BRL
Styrene	S.W. 8260/5030	0.01	14.70
1,1,1,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
1,1,2,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
Tetrachloroethene	S.W. 8260/5030	0.01	BRL
Toluene	S.W. 8260/5030	0.01	159.92
1,2,3-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,1,1-Trichloroethane	S.W. 8260/5030	0.01	BRL
1,1,2-Trichloroethane	S.W. 8260/5030	0.01	BRL
Trichloroethene	S.W. 8260/5030	0.01	BRL
Trichlorofluoromethane	S.W. 8260/5030	0.01	BRL
1,2,3-Trichloropropane	S.W. 8260/5030	0.01	BRL
1,2,3-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,3,5-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
Vinyl acetate	S.W. 8260/5030	0.01	BRL
Vinyl chloride	S.W. 8260/5030	0.01	BRL
Vinyl ethyl ether	S.W. 8260/5030	0.01	BRL
Vinyl methyl ether	S.W. 8260/5030	0.01	BRL
Xylenes	S.W. 8260/5030	0.01	232.65

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Acenaphthene	EPA-8270	0.10	15.22
Acenaphthylene	EPA-8270	0.10	6.50
Acrolein	EPA-8270	0.10	BRL
Acrylonitrile	EPA-8270	0.10	BRL
Allyl Alcohol	EPA-8270	0.10	BRL
Aldrin	EPA-8270	0.10	BRL
Anthracene	EPA-8270	0.10	14006.56
Benzo(k)fluoranthene	EPA-8270	0.10	BRL
Benzo(b)fluoranthene	EPA-8270	0.10	BRL
Benzo(a)anthracene	EPA-8270	0.10	7.97
Benzoic acid	EPA-8270	0.10	BRL
Benzo(g,h,i) perylene	EPA-8270	0.10	BRL
Benzyl alcohol	EPA-8270	0.10	BRL
Benzo(a)pyrene	EPA-8270	0.10	BRL
4-Bromophenyl phenyl ether	EPA-8270	0.10	BRL
Benzyl butyl phthalate	EPA-8270	0.10	BRL
Carbon disulfide	EPA-8270	0.10	BRL
4-Chloro-3-methylphenol	EPA-8270	0.10	BRL
4-Chloroaniline	EPA-8270	0.10	BRL
ß-BHC	EPA-8270	0.10	BRL
d-BHC	EPA-8270	0.10	BRL
Bis(2-chloroethoxy)methane	EPA-8270	0.10	BRL
Bis(2-chloroethy)ether	EPA-8270	0.10	BRL
Bis(2-Chloroisopropyl)ether	EPA-8270	0.10	BRL
Bis(2-ethylhexyl)phthalate	EPA-8270	0.10	BRL
2-Chloronaphthalene	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
4-Chlorophenyl phenyl ether	EPA-8270	0.10	BRL
M-Cresol	EPA-8270	0.10	BRL
O-Cresol	EPA-8270	0.10	BRL
P-Cresol	EPA-8270	0.10	BRL
Chrysene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
4,4'-DDD	EPA-8270	0.10	BRL
4,4'-DDE	EPA-8270	0.10	BRL
4,4'-DDT	EPA-8270	0.10	BRL
Dibenzo(a,h)anthracene	EPA-8270	0.10	BRL
Dibenzofuran	EPA-8270	0.10	BRL
1,2-Dichlorobenzene	EPA-8270	0.10	BRL
1,3-Dichlorobenzene	EPA-8270	0.10	BRL
1,4-Dichlorobenzene	EPA-8270	0.10	BRL
3,3-Dichlorobenzidine	EPA-8270	0.10	BRL
24-Dichlorophenol	EPA-8270	0.10	BRL
Dieldrine	EPA-8270	0.10	BRL
Diethylamine	EPA-8270	0.10	BRL
Diethyl phthalate	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
Dimethyl phthalate	EPA-8270	0.10	BRL
Di-n-butylphthalate	EPA-8270	0.10	BRL
4,6-Dinitro-2-methylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2,4-Dinitrotoluene	EPA-8270	0.10	BRL
2,6-Dinitritoluene	EPA-8270	0.10	BRL
Di-n-octylphthalate	EPA-8270	0.10	BRL
1,2-Diphenylhydrazine	EPA-8270	0.10	BRL
bis(2-Ethylhexyl)phthalate	EPA-8270	0.10	BRL
Emdosulfan sulfate	EPA-8270	0.10	BRL
Endrin aldehyde	EPA-8270	0.10	BRL
Ethyl Amine	EPA-8270	0.10	BRL
Fluoranthene	EPA-8270	0.10	6.21
Fluorene	EPA-8270	0.10	39.61
Hexachloro-1,3-butadiene	EPA-8270	0.10	BRL
Heptachlor	EPA-8270	0.10	BRL
Heptachlor epoxide	EPA-8270	0.10	BRL
Hexachlorobenzene	EPA-8270	0.10	BRL
Hexachlorocyclopentadiene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-453	DATE/TIME COLLECTED	02-22-2011@12:20pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Oily Sludge FT 506 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Hexachloroethane	EPA-8270	0.10	BRL
Hexachlorobutadiene	EPA-8270	0.10	BRL
Indeno(1,2,3-cd)pyrene	EPA-8270	0.10	7.08
Isophorone	EPA-8270	0.10	BRL
Isopropyl amine	EPA-8270	0.10	BRL
Methylamine	EPA-8270	0.10	BRL
2-Methylnaphthalene	EPA-8270	0.10	BRL
2-Methylphenol (o-cresol)	EPA-8270	0.10	BRL
3 & 4-Methylphenol	EPA-8270	0.10	BRL
Naphthalene	EPA-8270	0.10	101.81
2-Nitroaniline	EPA-8270	0.10	BRL
3-Nitroaniline	EPA-8270	0.10	BRL
4-Nitroaniline	EPA-8270	0.10	BRL
Nitrobenzene	EPA-8270	0.10	BRL
N-Nitroso-di-n-propylamine	EPA-8270	0.10	BRL
N-Nitrosodiphenylamie	EPA-8270	0.10	BRL
PCB-1260	EPA-8270	0.10	BRL
Phentanthrene	EPA-8270	0.10	83.93
Phenol	EPA-8270	0.10	16.10
Pyrene	EPA-8270	0.10	19.31
1,2,4-Trichlorobenzene	EPA-8270	0.10	BRL
4-Chloro-3-methyphenol	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
2,4-Chlorophenol	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2-Methyl-4,6-dinitrophenol	EPA-8270	0.10	BRL
2-Nitrophenol	EPA-8270	0.10	BRL
4-Nitrophenol	EPA-8270	0.10	BRL
Pentachlorophenol	EPA-8270	0.10	BRL
Trimethylamine	EPA-8270	0.10	BRL
2,4,5-Trichlorophenol	EPA-8270	0.10	BRL
2,4,6-Trichlorophenol	EPA-8270	0.10	94.12

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	BRL	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.474	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.375	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.642	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-24-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	450.610	200.000
P+M-Cresol	108-39-4	EPA-1311/8270	0.100	153.512	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	604.122	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	8.696	2.000
DATE ANALYZED:	**02-23-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	6.82
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	152
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL
Heavy Metals, PPM			
Arsenic	EPA-6010	0.50	BRL
Barium	EPA-6010	0.10	3.50
Cadmium	EPA-6010	0.10	BRL
Chromium	EPA-6010	0.15	1.37
Lead	EPA-6010	0.39	0.83
Mercury	EPA-6010	0.17	BRL
Selenium	EPA-6010	0.63	BRL
Silver	EPA-6010	0.13	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Acetone	S.W. 8260/5030	0.01	BRL
Acetonitrile	S.W. 8260/5030	0.01	BRL
Benzene	S.W. 8260/5030	0.01	7.71
Bromobenzene	S.W. 8260/5030	0.01	BRL
Bromodichloromethane	S.W. 8260/5030	0.01	BRL
Bromoform	S.W. 8260/5030	0.01	BRL
Bromomethane	S.W. 8260/5030	0.01	BRL
2-Butanone	S.W. 8260/5030	0.01	BRL
n-Butylbenzene	S.W. 8260/5030	0.01	BRL
sec-Butylbenzene	S.W. 8260/5030	0.01	BRL
tert-Butylbenzene	S.W. 8260/5030	0.01	BRL
Butyl acetate	S.W. 8260/5030	0.01	BRL
Butyl alcohol	S.W. 8260/5030	0.01	BRL
n-Butanol	S.W. 8260/5030	0.01	BRL
Carbon tetrachloride	S.W. 8260/5030	0.01	BRL
Chlorobenzene	S.W. 8260/5030	0.01	BRL
Chloroethane	S.W. 8260/5030	0.01	BRL
2-Chloroethylvinyl ether	S.W. 8260/5030	0.01	BRL
Chloroform	S.W. 8260/5030	0.01	3.11
Chloromethane	S.W. 8260/5030	0.01	BRL
2-Chlorotoluene	S.W. 8260/5030	0.01	BRL
4-Chlorotoluene	S.W. 8260/5030	0.01	BRL
1-Dibromo-3-chlorpropane	S.W. 8260/5030	0.01	BRL
Dibromochloromethane	S.W. 8260/5030	0.01	BRL
Dichlorobromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dibromoethane	S.W. 8260/5030	0.01	BRL
Dibromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,3-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,4-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
Dichlorodifluoromethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,2-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethene	S.W. 8260/5030	0.01	BRL
cis-1, 2-Dichloroethene	S.W. 8260/5030	0.01	BRL
trans-1,2-Dichloroethene	S.W. 8260/5030	0.01	BRL
1,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,3-Dichloropropane	S.W. 8260/5030	0.01	BRL
2,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,1-Dichloropropene	S.W. 8260/5030	0.01	BRL
cis-1,3-Dichloropropene	S.W. 8260/5030	0.01	BRL
trans-1,3-dichloropropene	S.W. 8260/5030	0.01	BRL
Diisopropyl ether	S.W. 8260/5030	0.01	BRL
Ethanol	S.W. 8260/5030	0.01	BRL
Ethyl alcohol	S.W. 8260/5030	0.01	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Ethyl acetate	S.W. 8260/5030	0.01	BRL
Ethyl benzene	S.W. 8260/5030	0.01	74.28
Ethyl ether	S.W. 8260/5030	0.01	BRL
Ethyl mercaptan	S.W. 8260/5030	0.01	BRL
Heptane and heptanes	S.W. 8260/5030	0.01	BRL
Hexachloro-1,3-butadiene	S.W. 8260/5030	0.01	BRL
2-Hexanone	S.W. 8260/5030	0.01	BRL
Hexane and hexanes	S.W. 8260/5030	0.01	BRL
Isobutyl acetate	S.W. 8260/5030	0.01	BRL
Isobutyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl acetate	S.W. 8260/5030	0.01	BRL
Isopropyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl benzene	S.W. 8260/5030	0.01	BRL
p-Isopropyltoluene	S.W. 8260/5030	0.01	BRL
Methanol	S.W. 8260/5030	0.01	BRL
Methyl acetate	S.W. 8260/5030	0.01	BRL
Methyl alcohol	S.W. 8260/5030	0.01	BRL
Methyl Ethyl Ketone	S.W. 8260/5030	0.01	BRL
Methylene chloride	S.W. 8260/5030	0.01	BRL
4-Methyl-2-pentanone	S.W. 8260/5030	0.01	BRL
Methyl-tert-butyl ether	S.W. 8260/5030	0.01	BRL
Methyl Isobutyl Ketone	S.W. 8260/5030	0.01	BRL
Nitrobenzene	S.W. 8260/5030	0.01	BRL
Propyl acetate	S.W. 8260/5030	0.01	BRL
Propyl alcohol	S.W. 8260/5030	0.01	BRL
n-Propyl-benzene	S.W. 8260/5030	0.01	BRL
Styrene	S.W. 8260/5030	0.01	BRL
1,1,1,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
1,1,2,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
Tetrachloroethene	S.W. 8260/5030	0.01	BRL
Toluene	S.W. 8260/5030	0.01	73.01
1,2,3-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,1,1-Trichloroethane	S.W. 8260/5030	0.01	0.52
1,1,2-Trichloroethane	S.W. 8260/5030	0.01	BRL
Trichloroethene	S.W. 8260/5030	0.01	BRL
Trichlorofluoromethane	S.W. 8260/5030	0.01	BRL
1,2,3-Trichloropropane	S.W. 8260/5030	0.01	BRL
1,2,3-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,3,5-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
Vinyl acetate	S.W. 8260/5030	0.01	BRL
Vinyl chloride	S.W. 8260/5030	0.01	BRL
Vinyl ethyl ether	S.W. 8260/5030	0.01	BRL
Vinyl methyl ether	S.W. 8260/5030	0.01	BRL
Xylenes	S.W. 8260/5030	0.01	552.48

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Acenaphthene	EPA-8270	0.10	3.39
Acenaphthylene	EPA-8270	0.10	BRL
Acrolein	EPA-8270	0.10	BRL
Acrylonitrile	EPA-8270	0.10	BRL
Allyl Alcohol	EPA-8270	0.10	BRL
Aldrin	EPA-8270	0.10	BRL
Anthracene	EPA-8270	0.10	BRL
Benzo(k)fluoranthene	EPA-8270	0.10	BRL
Benzo(b)fluoranthene	EPA-8270	0.10	BRL
Benzo(a)anthracene	EPA-8270	0.10	9.15
Benzoic acid	EPA-8270	0.10	BRL
Benzo(g,h,i) perylene	EPA-8270	0.10	24.39
Benzyl alcohol	EPA-8270	0.10	BRL
Benzo(a)pyrene	EPA-8270	0.10	13.15
4-Bromophenyl phenyl ether	EPA-8270	0.10	BRL
Benzyl butyl phthalate	EPA-8270	0.10	BRL
Carbon disulfide	EPA-8270	0.10	BRL
4-Chloro-3-methylphenol	EPA-8270	0.10	BRL
4-Chloroaniline	EPA-8270	0.10	BRL
ß-BHC	EPA-8270	0.10	BRL
d-BHC	EPA-8270	0.10	BRL
Bis(2-chloroethoxy)methane	EPA-8270	0.10	BRL
Bis(2-chloroethy)ether	EPA-8270	0.10	BRL
Bis(2-Chloroisopropyl)ether	EPA-8270	0.10	BRL
Bis(2-ethylhexyl)phthalate	EPA-8270	0.10	BRL
2-Chloronaphthalene	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
4-Chlorophenyl phenyl ether	EPA-8270	0.10	BRL
P+M-Cresol	EPA-8270	0.10	1662.19
O-Cresol	EPA-8270	0.10	4930.00
Chrysene	EPA-8270	0.10	11.70

Daniel Zabihi **Date: 05-04-2011**
QA Manager

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LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
4,4'-DDD	EPA-8270	0.10	BRL
4,4'-DDE	EPA-8270	0.10	BRL
4,4'-DDT	EPA-8270	0.10	BRL
Dibenzo(a,h)anthracene	EPA-8270	0.10	BRL
Dibenzofuran	EPA-8270	0.10	BRL
1,2-Dichlorobenzene	EPA-8270	0.10	BRL
1,3-Dichlorobenzene	EPA-8270	0.10	BRL
1,4-Dichlorobenzene	EPA-8270	0.10	BRL
3,3-Dichlorobenzidine	EPA-8270	0.10	BRL
24-Dichlorophenol	EPA-8270	0.10	BRL
Dieldrine	EPA-8270	0.10	BRL
Diethylamine	EPA-8270	0.10	BRL
Diethyl phthalate	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
Dimethyl phthalate	EPA-8270	0.10	BRL
Di-n-butylphthalate	EPA-8270	0.10	BRL
4,6-Dinitro-2-methylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2,4-Dinitrotoluene	EPA-8270	0.10	BRL
2,6-Dinitritoluene	EPA-8270	0.10	BRL
Di-n-octylphthalate	EPA-8270	0.10	BRL
1,2-Diphenylhydrazine	EPA-8270	0.10	BRL
bis(2-Ethylhexyl)phthalate	EPA-8270	0.10	BRL
Emdosulfan sulfate	EPA-8270	0.10	BRL
Endrin aldehyde	EPA-8270	0.10	BRL
Ethyl Amine	EPA-8270	0.10	BRL
Fluoranthene	EPA-8270	0.10	BRL
Fluorene	EPA-8270	0.10	10.54
Hexachloro-1,3-butadiene	EPA-8270	0.10	BRL
Heptachlor	EPA-8270	0.10	BRL
Heptachlor epoxide	EPA-8270	0.10	BRL
Hexachlorobenzene	EPA-8270	0.10	BRL
Hexachlorocyclopentadiene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

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INVOICE No.	47889	DATE RECEIVED	02-22-2011
LAB REFERENCE No.	2011-02-454	DATE/TIME COLLECTED	02-22-2011@2:40pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	Phenolic Caustic-FT 1004 From CES 4904 Griggs Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Hexachloroethane	EPA-8270	0.10	BRL
Hexachlorobutadiene	EPA-8270	0.10	BRL
Indeno(1,2,3-cd)pyrene	EPA-8270	0.10	BRL
Isophorone	EPA-8270	0.10	BRL
Isopropyl amine	EPA-8270	0.10	BRL
Methylamine	EPA-8270	0.10	BRL
2-Methylnaphthalene	EPA-8270	0.10	BRL
2-Methylphenol (o-cresol)	EPA-8270	0.10	BRL
3 & 4-Methylphenol	EPA-8270	0.10	BRL
Naphthalene	EPA-8270	0.10	51.41
2-Nitroaniline	EPA-8270	0.10	BRL
3-Nitroaniline	EPA-8270	0.10	BRL
4-Nitroaniline	EPA-8270	0.10	BRL
Nitrobenzene	EPA-8270	0.10	BRL
N-Nitroso-di-n-propylamine	EPA-8270	0.10	BRL
N-Nitrosodiphenylamie	EPA-8270	0.10	BRL
PCB-1260	EPA-8270	0.10	BRL
Phentanthrene	EPA-8270	0.10	5.15
Phenol	EPA-8270	0.10	2110.79
Pyrene	EPA-8270	0.10	9.61
1,2,4-Trichlorobenzene	EPA-8270	0.10	BRL
4-Chloro-3-methyphenol	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
2,4-Chlorophenol	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2-Methyl-4,6-dinitrophenol	EPA-8270	0.10	BRL
2-Nitrophenol	EPA-8270	0.10	BRL
4-Nitrophenol	EPA-8270	0.10	BRL
Pentachlorophenol	EPA-8270	0.10	BRL
Trimethylamine	EPA-8270	0.10	BRL
2,4,5-Trichlorophenol	EPA-8270	0.10	BRL
2,4,6-Trichlorophenol	EPA-8270	0.10	93.105

Daniel Zabihi **Date: 05-04-2011**
QA Manager

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ARIZONA LICENSE # AZ0630

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.996	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.320	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.275	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	0.992	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	4.752	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	385.082	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	185.973	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	571.055	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	28.984	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	34.881	2.000

DATE ANALYZED: **02-25-2011**
ANALYST INITIALS: **D.Z.**

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	7.46
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	148
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL
Heavy Metals, PPM			
Arsenic	EPA-6010	0.50	3.28
Barium	EPA-6010	0.10	6.28
Cadmium	EPA-6010	0.10	0.28
Chromium	EPA-6010	0.15	65.39
Lead	EPA-6010	0.39	29.80
Mercury	EPA-6010	0.17	BRL
Selenium	EPA-6010	0.63	1.11
Silver	EPA-6010	0.13	0.35

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Acetone	S.W. 8260/5030	0.01	BRL
Acetonitrile	S.W. 8260/5030	0.01	BRL
Benzene	S.W. 8260/5030	0.01	12.60
Bromobenzene	S.W. 8260/5030	0.01	BRL
Bromodichloromethane	S.W. 8260/5030	0.01	BRL
Bromoform	S.W. 8260/5030	0.01	BRL
Bromomethane	S.W. 8260/5030	0.01	BRL
2-Butanone	S.W. 8260/5030	0.01	BRL
n-Butylbenzene	S.W. 8260/5030	0.01	BRL
sec-Butylbenzene	S.W. 8260/5030	0.01	BRL
tert-Butylbenzene	S.W. 8260/5030	0.01	BRL
Butyl acetate	S.W. 8260/5030	0.01	BRL
Butyl alcohol	S.W. 8260/5030	0.01	BRL
n-Butanol	S.W. 8260/5030	0.01	BRL
Carbon tetrachloride	S.W. 8260/5030	0.01	BRL
Chlorobenzene	S.W. 8260/5030	0.01	BRL
Chloroethane	S.W. 8260/5030	0.01	BRL
2-Chloroethylvinyl ether	S.W. 8260/5030	0.01	BRL
Chloroform	S.W. 8260/5030	0.01	53.77
Chloromethane	S.W. 8260/5030	0.01	BRL
2-Chlorotoluene	S.W. 8260/5030	0.01	BRL
4-Chlorotoluene	S.W. 8260/5030	0.01	BRL
1-Dibromo-3-chlorpropane	S.W. 8260/5030	0.01	BRL
Dibromochloromethane	S.W. 8260/5030	0.01	BRL
Dichlorobromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dibromoethane	S.W. 8260/5030	0.01	BRL
Dibromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,3-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,4-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
Dichlorodifluoromethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,2-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethene	S.W. 8260/5030	0.01	BRL
cis-1, 2-Dichloroethene	S.W. 8260/5030	0.01	BRL
trans-1,2-Dichloroethene	S.W. 8260/5030	0.01	BRL
1,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,3-Dichloropropane	S.W. 8260/5030	0.01	BRL
2,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,1-Dichloropropene	S.W. 8260/5030	0.01	BRL
cis-1,3-Dichloropropene	S.W. 8260/5030	0.01	BRL
trans-1,3-dichloropropene	S.W. 8260/5030	0.01	BRL
Diisopropyl ether	S.W. 8260/5030	0.01	BRL
Ethanol	S.W. 8260/5030	0.01	BRL
Ethyl alcohol	S.W. 8260/5030	0.01	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Ethyl acetate	S.W. 8260/5030	0.01	BRL
Ethyl benzene	S.W. 8260/5030	0.01	34.12
Ethyl ether	S.W. 8260/5030	0.01	BRL
Ethyl mercaptan	S.W. 8260/5030	0.01	BRL
Heptane and heptanes	S.W. 8260/5030	0.01	BRL
Hexachloro-1,3-butadiene	S.W. 8260/5030	0.01	BRL
2-Hexanone	S.W. 8260/5030	0.01	BRL
Hexane and hexanes	S.W. 8260/5030	0.01	BRL
Isobutyl acetate	S.W. 8260/5030	0.01	BRL
Isobutyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl acetate	S.W. 8260/5030	0.01	BRL
Isopropyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl benzene	S.W. 8260/5030	0.01	BRL
p-Isopropyltoluene	S.W. 8260/5030	0.01	BRL
Methanol	S.W. 8260/5030	0.01	BRL
Methyl acetate	S.W. 8260/5030	0.01	BRL
Methyl alcohol	S.W. 8260/5030	0.01	BRL
Methyl Ethyl Ketone	S.W. 8260/5030	0.01	BRL
Methylene chloride	S.W. 8260/5030	0.01	4.41
4-Methyl-2-pentanone	S.W. 8260/5030	0.01	BRL
Methyl-tert-butyl ether	S.W. 8260/5030	0.01	BRL
Methyl Isobutyl Ketone	S.W. 8260/5030	0.01	BRL
Nitrobenzene	S.W. 8260/5030	0.01	BRL
Propyl acetate	S.W. 8260/5030	0.01	BRL
Propyl alcohol	S.W. 8260/5030	0.01	BRL
n-Propyl-benzene	S.W. 8260/5030	0.01	BRL
Styrene	S.W. 8260/5030	0.01	BRL
1,1,1,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
1,1,2,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
Tetrachloroethene	S.W. 8260/5030	0.01	BRL
Toluene	S.W. 8260/5030	0.01	166.79
1,2,3-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,1,1-Trichloroethane	S.W. 8260/5030	0.01	BRL
1,1,2-Trichloroethane	S.W. 8260/5030	0.01	BRL
Trichloroethene	S.W. 8260/5030	0.01	BRL
Trichlorofluoromethane	S.W. 8260/5030	0.01	BRL
1,2,3-Trichloropropane	S.W. 8260/5030	0.01	BRL
1,2,3-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,3,5-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
Vinyl acetate	S.W. 8260/5030	0.01	BRL
Vinyl chloride	S.W. 8260/5030	0.01	BRL
Vinyl ethyl ether	S.W. 8260/5030	0.01	BRL
Vinyl methyl ether	S.W. 8260/5030	0.01	BRL
Xylenes	S.W. 8260/5030	0.01	359.41

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Acenaphthene	EPA-8270	0.10	16.00
Acenaphthylene	EPA-8270	0.10	BRL
Acrolein	EPA-8270	0.10	BRL
Acrylonitrile	EPA-8270	0.10	BRL
Allyl Alcohol	EPA-8270	0.10	BRL
Aldrin	EPA-8270	0.10	BRL
Anthracene	EPA-8270	0.10	BRL
Benzo(k)fluoranthene	EPA-8270	0.10	BRL
Benzo(b)fluoranthene	EPA-8270	0.10	BRL
Benzo(a)anthracene	EPA-8270	0.10	7.80
Benzoic acid	EPA-8270	0.10	BRL
Benzo(g,h,i) perylene	EPA-8270	0.10	BRL
Benzyl alcohol	EPA-8270	0.10	BRL
Benzo(a)pyrene	EPA-8270	0.10	BRL
4-Bromophenyl phenyl ether	EPA-8270	0.10	BRL
Benzyl butyl phthalate	EPA-8270	0.10	BRL
Carbon disulfide	EPA-8270	0.10	BRL
4-Chloro-3-methylphenol	EPA-8270	0.10	BRL
4-Chloroaniline	EPA-8270	0.10	BRL
ß-BHC	EPA-8270	0.10	BRL
d-BHC	EPA-8270	0.10	BRL
Bis(2-chloroethoxy)methane	EPA-8270	0.10	BRL
Bis(2-chloroethy)ether	EPA-8270	0.10	BRL
Bis(2-Chloroisopropyl)ether	EPA-8270	0.10	BRL
Bis(2-ethylhexyl)phthalate	EPA-8270	0.10	BRL
2-Chloronaphthalene	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
4-Chlorophenyl phenyl ether	EPA-8270	0.10	BRL
P+M-Cresol	EPA-8270	0.10	1936.10
O-Cresol	EPA-8270	0.10	4051.70
Chrysene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

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AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
4,4'-DDD	EPA-8270	0.10	BRL
4,4'-DDE	EPA-8270	0.10	BRL
4,4'-DDT	EPA-8270	0.10	BRL
Dibenzo(a,h)anthracene	EPA-8270	0.10	BRL
Dibenzofuran	EPA-8270	0.10	BRL
1,2-Dichlorobenzene	EPA-8270	0.10	BRL
1,3-Dichlorobenzene	EPA-8270	0.10	BRL
1,4-Dichlorobenzene	EPA-8270	0.10	BRL
3,3-Dichlorobenzidine	EPA-8270	0.10	BRL
24-Dichlorophenol	EPA-8270	0.10	BRL
Dieldrine	EPA-8270	0.10	BRL
Diethylamine	EPA-8270	0.10	BRL
Diethyl phthalate	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
Dimethyl phthalate	EPA-8270	0.10	BRL
Di-n-butylphthalate	EPA-8270	0.10	BRL
4,6-Dinitro-2-methylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2,4-Dinitrotoluene	EPA-8270	0.10	BRL
2,6-Dinitritoluene	EPA-8270	0.10	BRL
Di-n-octylphthalate	EPA-8270	0.10	BRL
1,2-Diphenylhydrazine	EPA-8270	0.10	BRL
bis(2-Ethylhexyl)phthalate	EPA-8270	0.10	BRL
Emdosulfan sulfate	EPA-8270	0.10	BRL
Endrin aldehyde	EPA-8270	0.10	BRL
Ethyl Amine	EPA-8270	0.10	BRL
Fluoranthene	EPA-8270	0.10	6.02
Fluorene	EPA-8270	0.10	24.60
Hexachloro-1,3-butadiene	EPA-8270	0.10	BRL
Heptachlor	EPA-8270	0.10	BRL
Heptachlor epoxide	EPA-8270	0.10	BRL
Hexachlorobenzene	EPA-8270	0.10	BRL
Hexachlorocyclopentadiene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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LAB REFERENCE No.	2011-02-517	DATE/TIME COLLECTED	02-23-2011@1:25pm
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB #640 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Hexachloroethane	EPA-8270	0.10	BRL
Hexachlorobutadiene	EPA-8270	0.10	BRL
Indeno(1,2,3-cd)pyrene	EPA-8270	0.10	BRL
Isophorone	EPA-8270	0.10	BRL
Isopropyl amine	EPA-8270	0.10	BRL
Methylamine	EPA-8270	0.10	BRL
2-Methylnaphthalene	EPA-8270	0.10	BRL
2-Methylphenol (o-cresol)	EPA-8270	0.10	BRL
3 & 4-Methylphenol	EPA-8270	0.10	BRL
Naphthalene	EPA-8270	0.10	323.57
2-Nitroaniline	EPA-8270	0.10	BRL
3-Nitroaniline	EPA-8270	0.10	BRL
4-Nitroaniline	EPA-8270	0.10	BRL
Nitrobenzene	EPA-8270	0.10	BRL
N-Nitroso-di-n-propylamine	EPA-8270	0.10	BRL
N-Nitrosodiphenylamie	EPA-8270	0.10	BRL
PCB-1260	EPA-8270	0.10	BRL
Phentanthrene	EPA-8270	0.10	29.99
Phenol	EPA-8270	0.10	964.04
Pyrene	EPA-8270	0.10	10.65
1,2,4-Trichlorobenzene	EPA-8270	0.10	BRL
4-Chloro-3-methyphenol	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
2,4-Chlorophenol	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2-Methyl-4,6-dinitrophenol	EPA-8270	0.10	BRL
2-Nitrophenol	EPA-8270	0.10	BRL
4-Nitrophenol	EPA-8270	0.10	BRL
Pentachlorophenol	EPA-8270	0.10	BRL
Trimethylamine	EPA-8270	0.10	BRL
2,4,5-Trichlorophenol	EPA-8270	0.10	296.02
2,4,6-Trichlorophenol	EPA-8270	0.10	359.00

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

PRECISION PETROLEUM LABS, INC.'S RESPONSIBILITY FOR THE ABOVE ANALYSIS, OPINIONS OR INTERPRETATIONS IS LIMITED TO THE INVOICE AMOUNT. RESULTS ARE REPORTED ON AN "AS IS" BASIS, UNLESS OTHERWISE NOTED. THE TEST RESULTS RELATE ONLY TO THE SUBMITTED SAMPLE IDENTIFIED ON THIS REPORT. TEST RESULTS MEET ALL REQUIREMENTS OF NELAC FOR TESTS LISTED ON THE LABORATORY'S CURRENT FIELDS OF ACCREDITATION (EPA 1010, 6010, 8082, 8260, and 9075).

PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP METALS	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULTS MG/L	REGULATORY LEVEL MG/L
Arsenic	7440-38-2	EPA-1311/6010	0.500	0.663	5.000
Barium	7440-39-3	EPA-1311/6010	0.100	0.111	100.000
Cadmium	7440-43-9	EPA-1311/6010	0.100	BRL	1.000
Chromium	7440-47-3	EPA-1311/6010	0.150	0.184	5.000
Lead	7439-92-1	EPA-1311/6010	0.390	BRL	5.000
Mercury	7439-97-6	EPA-1311/6010	0.170	BRL	0.200
Selenium	7782-49-2	EPA-1311/6010	0.630	BRL	1.000
Silver	7440-22-4	EPA-1311/6010	0.130	BRL	5.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**T.H.**				

TCLP VOLATILES	CAS #	TEST METHOD	REPORTING LIMIT MG/L	RESULT MG/L	REGULATORY LEVEL MG/L
Benzene	71-43-2	EPA-1311/8260	0.100	1.674	0.500
Carbontetrachloride	56-23-5	EPA-1311/8260	0.100	BRL	0.500
Chlorobenzene	108-90-7	EPA-1311/8260	0.100	BRL	100.000
Chloroform	67-66-3	EPA-1311/8260	0.100	BRL	6.000
1,2-Dichloroethane	107-06-2	EPA-1311/8260	0.100	BRL	0.500
1,1-Dichloroethylene	75-35-4	EPA-1311/8260	0.100	BRL	0.700
Methyl Ethyl Ketone	78-93-3	EPA-1311/8260	0.100	BRL	200.000
1,4-Dichlorobenzene	106-46-7	EPA-1311/8260	0.100	BRL	7.500
Tetrachloroethylene	127-18-4	EPA-1311/8260	0.100	BRL	0.700
Trichloroethylene	79-01-6	EPA-1311/8260	0.100	BRL	0.500
Vinyl Chloride	75-01-4	EPA-1311/8260	0.100	BRL	0.200
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**E.B.**				

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

TCLP SEMI-VOLATILES	CAS#	TEST METHOD	REPORTING LIMIT, Mg/L	RESULTS MG/L	REGULATORY LEVEL, Mg/L
O-Cresol	95-48-7	EPA-1311/8270	0.100	158.598	200.000
P + M-Cresol	108-39-4	EPA-1311/8270	0.100	44.486	200.000
Cresol	106-44-5	EPA-1311/8270	0.100	203.084	200.000
Pyridine	110-86-1	EPA-1311/8270	0.100	BRL	5.000
2,4-Dinitrotoluene	121-14-2	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobenzene	118-74-1	EPA-1311/8270	0.100	BRL	0.130
Hexachlorobutadiene	87-68-3	EPA-1311/8270	0.100	BRL	0.500
Hexachloroethane	67-72-1	EPA-1311/8270	0.100	BRL	3.000
Nitrobenzene	98-95-3	EPA-1311/8270	0.100	BRL	2.000
Pentachlorophenol	87-86-5	EPA-1311/8270	0.100	BRL	100.000
2,4,5-Trichlorophenol	95-95-4	EPA-1311/8270	0.100	BRL	400.000
2,4,6-Trichlorophenol	88-06-2	EPA-1311/8270	0.100	BRL	2.000
DATE ANALYZED:	**02-25-2011**				
ANALYST INITIALS:	**D.Z.**				

PARAMETER	TEST METHOD	REPORTING LIMIT	TEST RESULTS
Ph	S.W. 9040	0.01	11.11
Ignitability (Flash Point), PMCC	EPA-1010	-10°F	147
Reactive Cyanides, PPM	S.W. 9010	0.01	BRL
Reactive Sulfides, PPM	S.W. 9030	1.0	BRL
Heavy Metals, PPM			
Arsenic	EPA-6010	0.50	3.20
Barium	EPA-6010	0.10	20.78
Cadmium	EPA-6010	0.10	1.40
Chromium	EPA-6010	0.15	65.22
Lead	EPA-6010	0.39	193.24
Mercury	EPA-6010	0.17	BRL
Selenium	EPA-6010	0.63	BRL
Silver	EPA-6010	0.13	0.30

Daniel Zabihi **Date: 02-25-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Acetone	S.W. 8260/5030	0.01	BRL
Acetonitrile	S.W. 8260/5030	0.01	BRL
Benzene	S.W. 8260/5030	0.01	18.82
Bromobenzene	S.W. 8260/5030	0.01	BRL
Bromodichloromethane	S.W. 8260/5030	0.01	BRL
Bromoform	S.W. 8260/5030	0.01	BRL
Bromomethane	S.W. 8260/5030	0.01	BRL
2-Butanone	S.W. 8260/5030	0.01	BRL
n-Butylbenzene	S.W. 8260/5030	0.01	BRL
sec-Butylbenzene	S.W. 8260/5030	0.01	BRL
tert-Butylbenzene	S.W. 8260/5030	0.01	BRL
Butyl acetate	S.W. 8260/5030	0.01	BRL
Butyl alcohol	S.W. 8260/5030	0.01	BRL
n-Butanol	S.W. 8260/5030	0.01	BRL
Carbon tetrachloride	S.W. 8260/5030	0.01	BRL
Chlorobenzene	S.W. 8260/5030	0.01	BRL
Chloroethane	S.W. 8260/5030	0.01	BRL
2-Chloroethylvinyl ether	S.W. 8260/5030	0.01	BRL
Chloroform	S.W. 8260/5030	0.01	BRL
Chloromethane	S.W. 8260/5030	0.01	BRL
2-Chlorotoluene	S.W. 8260/5030	0.01	BRL
4-Chlorotoluene	S.W. 8260/5030	0.01	BRL
1-Dibromo-3-chlorpropane	S.W. 8260/5030	0.01	BRL
Dibromochloromethane	S.W. 8260/5030	0.01	BRL
Dichlorobromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dibromoethane	S.W. 8260/5030	0.01	BRL
Dibromomethane	S.W. 8260/5030	0.01	BRL
1,2-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,3-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
1,4-Dichlorobenzene	S.W. 8260/5030	0.01	BRL
Dichlorodifluoromethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,2-Dichloroethane	S.W. 8260/5030	0.01	BRL
1,1-Dichloroethene	S.W. 8260/5030	0.01	BRL
cis-1, 2-Dichloroethene	S.W. 8260/5030	0.01	BRL
trans-1,2-Dichloroethene	S.W. 8260/5030	0.01	BRL
1,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,3-Dichloropropane	S.W. 8260/5030	0.01	BRL
2,2-Dichloropropane	S.W. 8260/5030	0.01	BRL
1,1-Dichloropropene	S.W. 8260/5030	0.01	BRL
cis-1,3-Dichloropropene	S.W. 8260/5030	0.01	BRL
trans-1,3-dichloropropene	S.W. 8260/5030	0.01	BRL
Diisopropyl ether	S.W. 8260/5030	0.01	BRL
Ethanol	S.W. 8260/5030	0.01	BRL
Ethyl alcohol	S.W. 8260/5030	0.01	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Volatile Organic Compounds	Test Method	Reporting Limit, PPM	Results PPM
Ethyl acetate	S.W. 8260/5030	0.01	BRL
Ethyl benzene	S.W. 8260/5030	0.01	26.39
Ethyl ether	S.W. 8260/5030	0.01	BRL
Ethyl mercaptan	S.W. 8260/5030	0.01	BRL
Heptane and heptanes	S.W. 8260/5030	0.01	BRL
Hexachloro-1,3-butadiene	S.W. 8260/5030	0.01	BRL
2-Hexanone	S.W. 8260/5030	0.01	BRL
Hexane and hexanes	S.W. 8260/5030	0.01	BRL
Isobutyl acetate	S.W. 8260/5030	0.01	BRL
Isobutyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl acetate	S.W. 8260/5030	0.01	BRL
Isopropyl alcohol	S.W. 8260/5030	0.01	BRL
Isopropyl benzene	S.W. 8260/5030	0.01	BRL
p-Isopropyltoluene	S.W. 8260/5030	0.01	BRL
Methanol	S.W. 8260/5030	0.01	BRL
Methyl acetate	S.W. 8260/5030	0.01	BRL
Methyl alcohol	S.W. 8260/5030	0.01	BRL
Methyl Ethyl Ketone	S.W. 8260/5030	0.01	BRL
Methylene chloride	S.W. 8260/5030	0.01	4.61
4-Methyl-2-pentanone	S.W. 8260/5030	0.01	BRL
Methyl-tert-butyl ether	S.W. 8260/5030	0.01	4.50
Methyl Isobutyl Ketone	S.W. 8260/5030	0.01	BRL
Nitrobenzene	S.W. 8260/5030	0.01	BRL
Propyl acetate	S.W. 8260/5030	0.01	BRL
Propyl alcohol	S.W. 8260/5030	0.01	BRL
n-Propyl-benzene	S.W. 8260/5030	0.01	BRL
Styrene	S.W. 8260/5030	0.01	4.86
1,1,1,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
1,1,2,2-Tetrachloroethane	S.W. 8260/5030	0.01	BRL
Tetrachloroethene	S.W. 8260/5030	0.01	BRL
Toluene	S.W. 8260/5030	0.01	66.93
1,2,3-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trichlorobenzene	S.W. 8260/5030	0.01	BRL
1,1,1-Trichloroethane	S.W. 8260/5030	0.01	BRL
1,1,2-Trichloroethane	S.W. 8260/5030	0.01	BRL
Trichloroethene	S.W. 8260/5030	0.01	BRL
Trichlorofluoromethane	S.W. 8260/5030	0.01	BRL
1,2,3-Trichloropropane	S.W. 8260/5030	0.01	BRL
1,2,3-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,2,4-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
1,3,5-Trimethylbenzene	S.W. 8260/5030	0.01	BRL
Vinyl acetate	S.W. 8260/5030	0.01	BRL
Vinyl chloride	S.W. 8260/5030	0.01	BRL
Vinyl ethyl ether	S.W. 8260/5030	0.01	BRL
Vinyl methyl ether	S.W. 8260/5030	0.01	BRL
Xylenes	S.W. 8260/5030	0.01	187.78

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

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Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Acenaphthene	EPA-8270	0.10	4.86
Acenaphthylene	EPA-8270	0.10	BRL
Acrolein	EPA-8270	0.10	BRL
Acrylonitrile	EPA-8270	0.10	BRL
Allyl Alcohol	EPA-8270	0.10	BRL
Aldrin	EPA-8270	0.10	BRL
Anthracene	EPA-8270	0.10	BRL
Benzo(k)fluoranthene	EPA-8270	0.10	BRL
Benzo(b)fluoranthene	EPA-8270	0.10	BRL
Benzo(a)anthracene	EPA-8270	0.10	7.79
Benzoic acid	EPA-8270	0.10	BRL
Benzo(g,h,i) perylene	EPA-8270	0.10	BRL
Benzyl alcohol	EPA-8270	0.10	BRL
Benzo(a)pyrene	EPA-8270	0.10	BRL
4-Bromophenyl phenyl ether	EPA-8270	0.10	BRL
Benzyl butyl phthalate	EPA-8270	0.10	BRL
Carbon disulfide	EPA-8270	0.10	BRL
4-Chloro-3-methylphenol	EPA-8270	0.10	BRL
4-Chloroaniline	EPA-8270	0.10	BRL
ß-BHC	EPA-8270	0.10	BRL
d-BHC	EPA-8270	0.10	BRL
Bis(2-chloroethoxy)methane	EPA-8270	0.10	BRL
Bis(2-chloroethy)ether	EPA-8270	0.10	BRL
Bis(2-Chloroisopropyl)ether	EPA-8270	0.10	BRL
Bis(2-ethylhexyl)phthalate	EPA-8270	0.10	BRL
2-Chloronaphthalene	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
4-Chlorophenyl phenyl ether	EPA-8270	0.10	BRL
P+M-Cresol	EPA-8270	0.10	472.11
O-Cresol	EPA-8270	0.10	1880.19
Chrysene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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PRECISION PETROLEUM LABS, INC.

CERTIFICATE OF ANALYSIS

LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
5915 Star Lane, Houston, TX 77057	Street Address: 9000 Liberty Rd
Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
Website: precisionlabs.org	

INVOICE No.	47898	DATE RECEIVED	02-23-2011
LAB REFERENCE No.	2011-02-510	DATE/TIME COLLECTED	02-23-2011@11:25am
AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
4,4'-DDD	EPA-8270	0.10	BRL
4,4'-DDE	EPA-8270	0.10	BRL
4,4'-DDT	EPA-8270	0.10	BRL
Dibenzo(a,h)anthracene	EPA-8270	0.10	BRL
Dibenzofuran	EPA-8270	0.10	BRL
1,2-Dichlorobenzene	EPA-8270	0.10	BRL
1,3-Dichlorobenzene	EPA-8270	0.10	BRL
1,4-Dichlorobenzene	EPA-8270	0.10	BRL
3,3-Dichlorobenzidine	EPA-8270	0.10	BRL
24-Dichlorophenol	EPA-8270	0.10	BRL
Dieldrine	EPA-8270	0.10	BRL
Diethylamine	EPA-8270	0.10	BRL
Diethyl phthalate	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
Dimethyl phthalate	EPA-8270	0.10	BRL
Di-n-butylphthalate	EPA-8270	0.10	BRL
4,6-Dinitro-2-methylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2,4-Dinitrotoluene	EPA-8270	0.10	BRL
2,6-Dinitritoluene	EPA-8270	0.10	BRL
Di-n-octylphthalate	EPA-8270	0.10	BRL
1,2-Diphenylhydrazine	EPA-8270	0.10	BRL
bis(2-Ethylhexyl)phthalate	EPA-8270	0.10	BRL
Emdosulfan sulfate	EPA-8270	0.10	BRL
Endrin aldehyde	EPA-8270	0.10	BRL
Ethyl Amine	EPA-8270	0.10	BRL
Fluoranthene	EPA-8270	0.10	4.51
Fluorene	EPA-8270	0.10	10.28
Hexachloro-1,3-butadiene	EPA-8270	0.10	BRL
Heptachlor	EPA-8270	0.10	BRL
Heptachlor epoxide	EPA-8270	0.10	BRL
Hexachlorobenzene	EPA-8270	0.10	BRL
Hexachlorocyclopentadiene	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

QUALIFIERS & ABBREVIATIONS: BRL - Below Reporting Limit; SCL - Test performed by an approved subcontract laboratory; B - Analyte was detected in the associated method blank; Matrix spike/matrix spike duplicate (M), Laboratory control sample (L), Calibration criteria (C), and Surrogate (S) recoveries were outside acceptance limits. Test deviation applied to Method 8260 (VOCS).

COMMENTS: There were no quality assurance anomalies associated with these tests.

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LABORATORY ADDRESS	Client Name: C4 Environmental Services, LLC
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Ph. 713-680-9425 Fax: 713-680-9564	City, State, Zip: Houston, TX 77028
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INVOICE No.	47898	DATE RECEIVED	02-23-2011
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AUTHORIZED BY	Gary Braukman	MATRIX TYPE	Sludge
PRODUCT ID	VB 6062 (Phenolic Waste) From CES 4904 Griggs Rd Houston, TX 77021		

Total Semi-Volatiles	Test Method	Reporting Limit, PPM	Results PPM
Hexachloroethane	EPA-8270	0.10	BRL
Hexachlorobutadiene	EPA-8270	0.10	BRL
Indeno(1,2,3-cd)pyrene	EPA-8270	0.10	7.05
Isophorone	EPA-8270	0.10	BRL
Isopropyl amine	EPA-8270	0.10	BRL
Methylamine	EPA-8270	0.10	BRL
2-Methylnaphthalene	EPA-8270	0.10	BRL
2-Methylphenol (o-cresol)	EPA-8270	0.10	BRL
3 & 4-Methylphenol	EPA-8270	0.10	BRL
Naphthalene	EPA-8270	0.10	70.32
2-Nitroaniline	EPA-8270	0.10	BRL
3-Nitroaniline	EPA-8270	0.10	BRL
4-Nitroaniline	EPA-8270	0.10	BRL
Nitrobenzene	EPA-8270	0.10	BRL
N-Nitroso-di-n-propylamine	EPA-8270	0.10	BRL
N-Nitrosodiphenylamie	EPA-8270	0.10	BRL
PCB-1260	EPA-8270	0.10	BRL
Phentanthrene	EPA-8270	0.10	5.01
Phenol	EPA-8270	0.10	774.72
Pyrene	EPA-8270	0.10	7.04
1,2,4-Trichlorobenzene	EPA-8270	0.10	BRL
4-Chloro-3-methyphenol	EPA-8270	0.10	BRL
2-Chlorophenol	EPA-8270	0.10	BRL
2,4-Chlorophenol	EPA-8270	0.10	BRL
2,4-Dimethylphenol	EPA-8270	0.10	BRL
2,4-Dinitrophenol	EPA-8270	0.10	BRL
2-Methyl-4,6-dinitrophenol	EPA-8270	0.10	BRL
2-Nitrophenol	EPA-8270	0.10	BRL
4-Nitrophenol	EPA-8270	0.10	BRL
Pentachlorophenol	EPA-8270	0.10	BRL
Trimethylamine	EPA-8270	0.10	BRL
2,4,5-Trichlorophenol	EPA-8270	0.10	BRL
2,4,6-Trichlorophenol	EPA-8270	0.10	BRL

Daniel Zabihi **Date: 05-04-2011**
QA Manager

PRIMARY ACCREDITATION TCEQ, #T104704203-TX
ARIZONA LICENSE # AZ0630

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COMMENTS: There were no quality assurance anomalies associated with these tests.

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Laboratory Analysis Report

Total Number of Pages: 17

Job ID : 11080217

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Houston Tank Farm / Houston, TX

Report To :	Client Name:	CGH Associates	P.O.#.:
	Attn:	Clark Hickman	Sample Collected By: Clark Hickman
	Client Address:	16403 Havenhurst Drive	Date Collected: 08/05/11
	City, State, Zip:	Houston, Texas, 77059	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
TK - 1001	Water	11080217.01
TK - 1002	Water	11080217.02
TK - 1004	Water	11080217.03
TK - 7 (UNA)	Water	11080217.04
TK - 8 (UNA)	Water	11080217.05
TK - 9 (UNA)	Water	11080217.06
STF - T1	Water	11080217.07
STF - T2	Water	11080217.08
STF - T3	Water	11080217.09
STF - T6	Water	11080217.10
NTF - OT - 1	Water	11080217.11

Released By: Alisha Rodriguez
Title: Project Manager
Date: 8/8/2011

This Laboratory is NELAP (T104704213-10-2) accredited. Effective: 07/01/2010; Expires: 06/30/2011
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted.

Date Received : 08/05/2011 14:10

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 11080217

Date: 8/8/2011

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 1001

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.01

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	19760	mg/L	20	200			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 1002

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.02

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	48900	mg/L	100	1000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 1004

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.03

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	52500	mg/L	500	5000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 7 (UNA)

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.04

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	43500	mg/L	500	5000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 8 (UNA)

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.05

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	52500	mg/L	100	1000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: TK - 9 (UNA)

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.06

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	264000	mg/L	500	5000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: STF - T1

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.07

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	326500	mg/L	500	5000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: STF - T2

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.08

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	53000	mg/L	100	1000			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: STF - T3

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.09

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	39400	mg/L	50	500			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: STF - T6

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.10

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	42050	mg/L	50	500			08/05/11 15:46	KS

LABORATORY TEST RESULTS

Job ID : 11080217

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Houston Tank Farm / Houston, TX

Client Sample ID: NTF - OT - 1

Date Collected: 08/05/11

Time Collected: 12:00

Other Information:

Job Sample ID: 11080217.11

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5220D	Chemical Oxygen Demand								
	COD	46100	mg/L	100	1000			08/05/11 15:46	KS

QUALITY CONTROL CERTIFICATE

Job ID : 11080217 **Date :** 8/8/2011

Analysis : **Chemical Oxygen Demand** **Method :** **SM 5220D** **Reporting Units :** **mg/L**

QC Batch ID : Qb11080539 **Created Date :** 08/08/11 **Created By :** Ksudha

Samples in This QC Batch : 11080217.01,02,03,04,05,06,07,08,09

Sample Preparation : PB11080533 **Prep Method :** SM 5220D **Prep Date :** 08/05/11 15:40 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
COD		BRL	mg/L	1	10		

QC Type: Duplicate

QC Sample ID: 11080123.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
COD	136	134	mg/L	1.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	314	105	300	303	101	3.6	20	80-120	

QC Type: MS and MSD

QC Sample ID: 11080123.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	134	400	542	102						80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11080217 **Date :** 8/8/2011

Analysis : **Chemical Oxygen Demand** **Method :** **SM 5220D** **Reporting Units :** **mg/L**

QC Batch ID : Qb11080540 **Created Date :** 08/05/11 **Created By :** Ksudha

Samples in This QC Batch : 11080217.10,11

Sample Preparation : PB11080533 **Prep Method :** SM 5220D **Prep Date :** 08/05/11 15:40 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
COD		BRL	mg/L	1	10		

QC Type: Duplicate

QC Sample ID: 11080125.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
COD	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	314	105	300	303	101	3.6	20	80-120	

QC Type: MS and MSD

QC Sample ID: 11080125.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	BRL	400	398	99.5						80-120	

Refer to the Definition page for terms.

A & B Labs — *Chain of Custody*

The Chain of Custody is a Legal Document

Page _____ of _____

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 11080217

1. REPORT TO:
Company: CGH Associates
Address: 16403 Haverhurst
Houston, TX 77059
Contact: Clark Hickman
Phone: 281-488-0848
Fax: ☐ 281-488-3359
E-mail: ☐ chickman7@comcast.net

2. INVOICE TO:
Company: NuTerra Solutions, LLC
McGinnis, Lochridge, & Kilgore, LLP
1111 Louisiana St, Suite 4600
Houston, TX 77002
Contact: Deirdre Brown
Phone: 713-615-8507
Fax: ☐ 713-328-1807
E-mail: ☐ dbrown@mcginnislaw.com

3. PO #

4. Turnaround Time (Business Days)
☒ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☐ 7 Days - Standard

5. Project # Houston Tank Farm

6. Project Name/Location: Houston, TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Clark Hickman
Sampler's Signature & Date: Clark Hickman

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	No. of Containers	14. Containers* / 15. Preservatives** / 16. PH-Lab Only / 17. Analyses/Methods: COD	18. REMARKS
01A	TK-1001	8/5/11		X		X						1	X	
02A	TK-1002	8/5/11		X		X						1	X	
03A	TK-1004	8/5/11		X		X						1	X	
04A	TK-7 (UNA)	8/5/11		X		X						1	X	
05A	TK-8 (UNA)	8/5/11		X		X						1	X	
06A	TK-9 (UNA)	8/5/11		X		X						1	X	
07A	STF-T1	8/5/11		X		X						1	X	
08A	STF-T2	8/5/11		X		X						1	X	
09A	STF-T3	8/5/11		X		X						1	X	
10A	STF-T6	8/5/11		X		X						1	X	
11A	STF-OT-1	8/5/11		X		X						1	X	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Clark Hickman	8/5/11	14:10			
2					
3			21. RECEIVED BY LABORATORY	8/5/11	14:10

22. KNOWN HAZARDS/COMMENTS

Temperature: 33.3 °C
Intact: Y or N Initials: DL

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; P/O - Plastic/other _____

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; ON - NaOH; T - $Na_2S_2O_3$; X - Other _____

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days

LAB USE ONLY SAMPLING _____ RENTAL _____ P/U _____

Sample Condition Checklist

Date : **08/08/11**

A&B JobID :	**11080217**	Date Received :	**08/05/2011**	Time Received :	**2:10PM**
Client Name :	**CGH Associates**				
Temperature :	**33.3°C**	Sample pH :	**N/A**		

	Check Points	Yes	No	N/A
1.	**Cooler seal present and signed.**		X	
2.	**Sample(s) in a cooler.**		X	
3.	**If yes, ice in cooler.**		X	
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If no comment).**	X		
8.	**Matrix :** Water ☐ Soil ☐ Liquid ☑ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Sample(s) were received in appropriate container(s).**	X		
10.	**Sample(s) were received with proper preservative**	X		
11.	**All samples were logged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received within the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Samples were received above the acceptable temperature range. There are no collection times documented on the COC. Client was made aware via email of these nonconformances on 8/8/11. - ACR. Per client request, use noon as the collection time. - ACR 8/8/11.

Received by : Dlopez

Check in by/date : Mgonzalez / 08/05/2011

Laboratory Analysis Report

Total Number of Pages: 24

Job ID : 11070732

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Tank Farm (Houston)

Report To :	Client Name:	CGH Associates	P.O.#.:	
	Attn:	Clark Hickman	Sample Collected By:	
	Client Address:	16403 Havenhurst Drive	Date Collected:	07/14/11
	City, State, Zip:	Houston, Texas, 77059		

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
NTF (Water)	Water	11070732.01
STF (Water)	Water	11070732.02
789 (Water)	Water	11070732.03

Released By: Alisha Rodriguez

Title: Project Manager

Date: 8/8/2011

This Laboratory is NELAP (T104704213-10-2) accredited. Effective: 07/01/2010; Expires: 06/30/2011

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted.

Date Received : 07/22/2011 16:45

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 11070732

Date: 8/8/2011

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

D1	Sample required dilution due to matrix effects.
H3	Sample was received and analyzed past holding time.
S4	Surrogate not available due to dilution of sample extract for quantification.

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: NTF (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.01

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				07/27/11 12:00	PRK
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	4	0.16	5.0		07/29/11 03:01	SC
	Barium	BRL	mg/L	4	0.16	100.0		07/29/11 03:01	SC
	Cadmium	BRL	mg/L	4	0.16	1.0		07/29/11 03:01	SC
	Chromium	BRL	mg/L	4	0.16	5.0		07/29/11 03:01	SC
	Lead	BRL	mg/L	4	0.16	5.0		07/29/11 03:01	SC
	Selenium	BRL	mg/L	4	0.4	1.0		07/29/11 03:01	SC
	Silver	BRL	mg/L	4	0.16	5.0		07/29/11 03:01	SC
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			07/25/11 12:45	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	66	mg/L	1	25			07/25/11 15:10	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	4	0.002	0.2	D1	07/26/11 17:30	SS
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6		07/26/11 12:31	HW
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5		07/26/11 12:31	HW
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5		07/26/11 12:31	HW
	Benzene	BRL	mg/L	10	1.3	0.5		07/26/11 12:31	HW
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5		07/26/11 12:31	HW
	Chlorobenzene	BRL	mg/L	10	1.5	70		07/26/11 12:31	HW
	Chloroform	BRL	mg/L	10	1.3	6		07/26/11 12:31	HW
	MEK	150	mg/L	400	52	200		07/27/11 13:03	HW
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7		07/26/11 12:31	HW
	Trichloroethylene	BRL	mg/L	10	1.3	0.5		07/26/11 12:31	HW
	Vinyl Chloride	BRL	mg/L	10	1	0.2		07/26/11 12:31	HW
	1,2-Dichloroethane-d4(surr)	101	%	10	70-130			07/26/11 12:31	HW
	Dibromofluoromethane(surr)	95	%	10	70-130			07/26/11 12:31	HW
	p-Bromofluorobenzene(surr)	94	%	10	70-130			07/26/11 12:31	HW
	Toluene-d8(surr)	97.3	%	10	70-130			07/26/11 12:31	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5		08/05/11 16:34	ML
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400		08/05/11 16:34	ML
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2		08/05/11 16:34	ML
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13		08/05/11 16:34	ML
	2-Methylphenol	0.093	mg/L	1	0.05	200		08/05/11 16:34	ML
	3- & 4-Methylphenols	0.211	mg/L	1	0.1	200		08/05/11 16:34	ML

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: NTF (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.01

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13		08/05/11 16:34	ML
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4		08/05/11 16:34	ML
	Hexachloroethane	BRL	mg/L	1	0.05	3		08/05/11 16:34	ML
	Nitrobenzene	BRL	mg/L	1	0.05	2		08/05/11 16:34	ML
	Pentachlorophenol	BRL	mg/L	1	0.25	100		08/05/11 16:34	ML
	Pyridine	BRL	mg/L	1	0.05	4		08/05/11 16:34	ML
	2,4,6-Tribromophenol(surr)	40.9	%	1	10-120			08/05/11 16:34	ML
	2-Fluorobiphenyl(surr)	35	%	1	30-115			08/05/11 16:34	ML
	2-Fluorophenol(surr)	33.5	%	1	15-111			08/05/11 16:34	ML
	Nitrobenzene-d5(surr)	36.5	%	1	20-120			08/05/11 16:34	ML
	Phenol-d6(surr)	36.8	%	1	15-120			08/05/11 16:34	ML
	p-Terphenyl-d14(surr)	42.9	%	1	18-137			08/05/11 16:34	ML
SW-846 9040C	Corrosivity, pH								
	pH	4.88	s.u.				H3	07/25/11 11:00	PRK

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: STF (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.02

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				07/28/11 11:00	PRK
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	4	0.16	5.0		07/29/11 03:06	SC
	Barium	BRL	mg/L	4	0.16	100.0		07/29/11 03:06	SC
	Cadmium	BRL	mg/L	4	0.16	1.0		07/29/11 03:06	SC
	Chromium	BRL	mg/L	4	0.16	5.0		07/29/11 03:06	SC
	Lead	0.52	mg/L	4	0.16	5.0		07/29/11 03:06	SC
	Selenium	BRL	mg/L	4	0.4	1.0		07/29/11 03:06	SC
	Silver	BRL	mg/L	4	0.16	5.0		07/29/11 03:06	SC
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			07/25/11 12:45	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/L	1	25			07/25/11 15:10	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	0.0163	mg/L	10	0.005	0.2		07/26/11 17:43	SS
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6		07/26/11 13:03	HW
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5		07/26/11 13:03	HW
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5		07/26/11 13:03	HW
	Benzene	1.54	mg/L	10	1.3	0.5		07/26/11 13:03	HW
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5		07/26/11 13:03	HW
	Chlorobenzene	BRL	mg/L	10	1.5	70		07/26/11 13:03	HW
	Chloroform	BRL	mg/L	10	1.3	6		07/26/11 13:03	HW
	MEK	41.4	mg/L	100	13	200		07/27/11 13:35	HW
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7		07/26/11 13:03	HW
	Trichloroethylene	BRL	mg/L	10	1.3	0.5		07/26/11 13:03	HW
	Vinyl Chloride	BRL	mg/L	10	1	0.2		07/26/11 13:03	HW
	1,2-Dichloroethane-d4(surr)	103	%	10	70-130			07/26/11 13:03	HW
	Dibromofluoromethane(surr)	97.7	%	10	70-130			07/26/11 13:03	HW
	p-Bromofluorobenzene(surr)	114	%	10	70-130			07/26/11 13:03	HW
	Toluene-d8(surr)	96.8	%	10	70-130			07/26/11 13:03	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2	0.1	7.5		08/05/11 17:14	ML
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		08/05/11 17:14	ML
	2,4,6-Trichlorophenol	BRL	mg/L	2	0.1	2		08/05/11 17:14	ML
	2,4-Dinitrotoluene	BRL	mg/L	2	0.1	0.13		08/05/11 17:14	ML
	2-Methylphenol	0.661	mg/L	2	0.1	200		08/05/11 17:14	ML
	3- & 4-Methylphenols	0.673	mg/L	2	0.2	200		08/05/11 17:14	ML

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: STF (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.02

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobenzene	BRL	mg/L	2	0.1	0.13		08/05/11 17:14	ML
	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4		08/05/11 17:14	ML
	Hexachloroethane	BRL	mg/L	2	0.1	3		08/05/11 17:14	ML
	Nitrobenzene	BRL	mg/L	2	0.1	2		08/05/11 17:14	ML
	Pentachlorophenol	BRL	mg/L	2	0.5	100		08/05/11 17:14	ML
	Pyridine	BRL	mg/L	2	0.1	4		08/05/11 17:14	ML
	2,4,6-Tribromophenol(surr)	77.2	%	2	10-120			08/05/11 17:14	ML
	2-Fluorobiphenyl(surr)	78.6	%	2	30-115			08/05/11 17:14	ML
	2-Fluorophenol(surr)	73	%	2	15-111			08/05/11 17:14	ML
	Nitrobenzene-d5(surr)	82.4	%	2	20-120			08/05/11 17:14	ML
	Phenol-d6(surr)	49	%	2	15-120			08/05/11 17:14	ML
	p-Terphenyl-d14(surr)	105	%	2	18-137			08/05/11 17:14	ML
SW-846 9040C	Corrosivity, pH								
	pH	4.55	s.u.				H3	07/25/11 11:00	PRK

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: 789 (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.03

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	100	°F	1				07/27/11 12:00	PRK
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		07/29/11 03:11	SC
	Barium	BRL	mg/L	2	0.08	100.0		07/29/11 03:11	SC
	Cadmium	BRL	mg/L	2	0.08	1.0		07/29/11 03:11	SC
	Chromium	BRL	mg/L	2	0.08	5.0		07/29/11 03:11	SC
	Lead	BRL	mg/L	2	0.08	5.0		07/29/11 03:11	SC
	Selenium	BRL	mg/L	2	0.2	1.0		07/29/11 03:11	SC
	Silver	BRL	mg/L	2	0.08	5.0		07/29/11 03:11	SC
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			07/25/11 12:45	KS
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	45	mg/L	1	25			07/25/11 15:10	KS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	4	0.002	0.2	D1	07/26/11 17:33	SS
SW-846 8260B	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6		07/26/11 13:35	HW
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5		07/26/11 13:35	HW
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5		07/26/11 13:35	HW
	Benzene	18.4	mg/L	40	5.2	0.5		07/27/11 14:20	HW
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5		07/26/11 13:35	HW
	Chlorobenzene	BRL	mg/L	10	1.5	70		07/26/11 13:35	HW
	Chloroform	BRL	mg/L	10	1.3	6		07/26/11 13:35	HW
	MEK	3.17	mg/L	10	1.3	200		07/26/11 13:35	HW
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7		07/26/11 13:35	HW
	Trichloroethylene	BRL	mg/L	10	1.3	0.5		07/26/11 13:35	HW
	Vinyl Chloride	BRL	mg/L	10	1	0.2		07/26/11 13:35	HW
	1,2-Dichloroethane-d4(surr)	90.1	%	10	70-130			07/26/11 13:35	HW
	Dibromofluoromethane(surr)	94.2	%	10	70-130			07/26/11 13:35	HW
	p-Bromofluorobenzene(surr)	94.9	%	10	70-130			07/26/11 13:35	HW
	Toluene-d8(surr)	101	%	10	70-130			07/26/11 13:35	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	10	0.5	7.5		07/27/11 13:29	ML
	2,4,5-Trichlorophenol	BRL	mg/L	10	0.5	400		07/27/11 13:29	ML
	2,4,6-Trichlorophenol	BRL	mg/L	10	0.5	2		07/27/11 13:29	ML
	2,4-Dinitrotoluene	BRL	mg/L	10	0.5	0.13		07/27/11 13:29	ML
	2-Methylphenol	5.2	mg/L	10	0.5	200		07/27/11 13:29	ML
	3- & 4-Methylphenols	27.4	mg/L	100	10	200		07/27/11 15:22	ML

LABORATORY TEST RESULTS

Job ID : 11070732

Date 8/8/2011

Client Name: CGH Associates

Attn: Clark Hickman

Project Name: Tank Farm (Houston)

Client Sample ID: 789 (Water)

Date Collected: 07/14/11

Time Collected:

Other Information:

Job Sample ID: 11070732.03

Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobenzene	BRL	mg/L	10	0.5	0.13		07/27/11 13:29	ML
	Hexachlorobutadiene	BRL	mg/L	10	0.5	0.4		07/27/11 13:29	ML
	Hexachloroethane	BRL	mg/L	10	0.5	3		07/27/11 13:29	ML
	Nitrobenzene	BRL	mg/L	10	0.5	2		07/27/11 13:29	ML
	Pentachlorophenol	BRL	mg/L	10	2.5	100		07/27/11 13:29	ML
	Pyridine	BRL	mg/L	10	0.5	4		07/27/11 13:29	ML
	2,4,6-Tribromophenol(surr)	71	%	10	10-120			07/27/11 13:29	ML
	2-Fluorobiphenyl(surr)	74.5	%	10	30-115			07/27/11 13:29	ML
	2-Fluorophenol(surr)	60.6	%	10	15-111			07/27/11 13:29	ML
	Nitrobenzene-d5(surr)	N/A	%	10	20-120		S4	07/27/11 13:29	ML
	Phenol-d6(surr)	57.4	%	10	15-120			07/27/11 13:29	ML
	p-Terphenyl-d14(surr)	93.9	%	10	18-137			07/27/11 13:29	ML
SW-846 9040C	Corrosivity, pH								
	pH	4.80	s.u.				H3	07/25/11 11:00	PRK

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **Corrosivity, pH** **Method :** **SW-846 9040C** **Reporting Units :** **s.u.**

QC Batch ID : Qb11072523 **Created Date :** 07/25/11 **Created By :** PRKasar

Samples in This QC Batch : 11070732.01,02,03

QC Type: Duplicate

QC Sample ID: 11070654.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.90	7.90	s.u.	0	20		H3

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.00							3.95-4.05	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb11072564 **Created Date :** 07/25/11 **Created By :** Ksudha

Samples in This QC Batch : 11070732.01,02,03

Sample Preparation : PB11072555 **Prep Method :** SW-846 7.3 **Prep Date :** 07/25/11 09:30 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 11070732.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	10.7	42.8	25	11.1	44.5	3.7	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **Reactive Sulfide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb11072566 **Created Date :** 07/25/11 **Created By :** Ksudha

Samples in This QC Batch : 11070732.01,02,03

Sample Preparation : PB11072557 **Prep Method :** SW-846 7.3 **Prep Date :** 07/25/11 09:30 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 11070762.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	232	232	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	713.6	71.4	1000	672	67.2	6	20	40-110	

QC Type: MS and MSD

QC Sample ID: 11070762.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Reactive Sulfide	232	250	419.2	74.9						40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **TCLP VOC** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb11072635 **Created Date :** 07/26/11 **Created By :** Whuimei

Samples in This QC Batch : 11070732.01,02,03

Sample Preparation : PB11072614 **Prep Method :** SW-846 5030C **Prep Date :** 07/26/11 10:20 **Prep By :** Whuimei

TCLP Prep : PB11072609 **Prep Method :** SW-846 1311 **Prep Date :** 07/25/11 17:05 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13		
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15		
Benzene	71-43-2	BRL	mg/L	1	0.13		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15		
Chloroform	67-66-3	BRL	mg/L	1	0.13		
MEK	78-93-3	BRL	mg/L	1	0.13		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16		
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13		
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1		
1,2-Dichloroethane-d4(surr	17060-07-0	94.4	%	1	70-130		
Dibromofluoromethane(surr	1868-53-7	93.9	%	1	70-130		
p-Bromofluorobenzene(surr	460-00-4	94.6	%	1	70-130		
Toluene-d8(surr)	2037-26-5	95.6	%	1	70-130		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.46	92	0.5	0.454	90.8	1.3	25	70-130	
Benzene	0.5	0.487	97.4	0.5	0.479	95.8	1.7	25	70-130	
Chlorobenzene	0.5	0.523	105	0.5	0.518	104	1	25	70-130	
MEK	0.5	0.483	96.6	0.5	0.458	91.6	5.3	35	70-180	
Tetrachloroethylene	0.5	0.54	108	0.5	0.533	107	1.3	25	70-130	
Trichloroethylene	0.5	0.486	97.2	0.5	0.467	93.4	4	25	70-130	

QC Type: MS and MSD
QC Sample ID: 11070764.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.479	95.8						70-130	
Benzene	BRL	0.5	0.493	98.6						70-130	
Chlorobenzene	BRL	0.5	0.516	103						70-130	
MEK	BRL	0.5	0.623	125						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : TCLP VOC **Method : SW-846 8260B** **Reporting Units : mg/L**

QC Batch ID : Qb11072635 **Created Date :** 07/26/11 **Created By :** Whuimei

Samples in This QC Batch : 11070732.01,02,03

QC Type: MS and MSD
QC Sample ID: 11070764.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Trichloroethylene	BRL	0.5	0.485	97						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb11072644 **Created Date :** 07/26/11 **Created By :** Scuello

Samples in This QC Batch : 11070732.01,02,03

Digestion :	PB11072630	**Prep Method :**	SW-846 3010A	**Prep Date :**	07/26/11 12:00	**Prep By :**	Ssrinivasan
TCLP Prep :	PB11072609	**Prep Method :**	SW-846 1311	**Prep Date :**	07/25/11 17:05	**Prep By :**	Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	2	1.91	95.6	2	1.94	97	1.4	20	80-120	
Barium	2	2.09	104	2	2.11	105	1	20	80-120	
Cadmium	2	2.01	101	2	2.03	101	0.7	20	80-120	
Chromium	2	1.84	91.8	2	1.83	91.5	0.3	20	80-120	
Lead	2	2.13	106	2	2.14	107	0.5	20	80-120	
Selenium	2	2.01	100	2	2.05	103	2.1	20	80-120	
Silver	2	2.08	104	2	2.08	104	0	20	80-120	

QC Type: MS and MSD
QC Sample ID: 11070759.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	2.00	99.3						45-138	
Barium	0.1207	2	2.27	107						39-135	
Cadmium	BRL	2	2.09	104						56-125	
Chromium	BRL	2	1.86	92.7						52-125	
Lead	0.3082	2	2.51	110						55-125	
Selenium	BRL	2	2.11	105						70-130	
Silver	BRL	2	2.13	106						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **TCLP Metals, Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb11072652 **Created Date :** 07/26/11 **Created By :** Ssrinivasan

Samples in This QC Batch : 11070732.01,02,03

Digestion :	PB11072636	**Prep Method :**	SW-846 7470A	**Prep Date :**	07/26/11 11:00	**Prep By :**	Ssrinivasan
TCLP Prep :	PB11072609	**Prep Method :**	SW-846 1311	**Prep Date :**	07/25/11 17:05	**Prep By :**	Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0050	98.4	0.005	0.0050	99	0.6	35	71-143	

QC Type: MS and MSD
QC Sample ID: 11070763.05

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0050	97.2						61-175	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb11072730 **Created Date :** 07/28/11 **Created By :** PRKasar

Samples in This QC Batch : 11070732.01,03

QC Type: Duplicate

QC Sample ID: 11070586.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	84	101	83	84	101	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **TCLP Semivolatiles** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb11072810 **Created Date :** 07/28/11 **Created By :** Mli

Samples in This QC Batch : 11070732.03

Extraction :	PB11072726	**Prep Method :**	SW-846 3510C	**Prep Date :**	07/27/11 11:00	**Prep By :**	Lwang
TCLP Prep :	PB11072609	**Prep Method :**	SW-846 1311	**Prep Date :**	07/25/11 17:05	**Prep By :**	Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.1		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-86-1	BRL	mg/L	1	0.05		
2-Fluorophenol(surr)	367-12-4	65.6	%	1	15-111		
Phenol-d6(surr)	13127-88-3	53.2	%	1	15-120		
Nitrobenzene-d5(surr)	4165-60-0	67.9	%	1	20-120		
2-Fluorobiphenyl(surr)	132-60-8	75.5	%	1	30-115		
2,4,6-Tribromophenol(surr)	118-79-6	81	%	1	10-120		
p-Terphenyl-d14(surr)	1718-51-0	82.2	%	1	18-137		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.25	0.189	75.6	0.25	0.191	76.4	1.1	35	24-134	
2,4,5-Trichlorophenol	0.25	0.222	88.8	0.25	0.208	83.2	6.5	35	6-115	
2,4,6-Trichlorophenol	0.25	0.215	86	0.25	0.209	83.6	2.8	35	40-138	
2,4-Dinitrotoluene	0.25	0.202	80.8	0.25	0.191	76.4	5.6	35	32-114	
2-Methylphenol	0.25	0.183	73.2	0.25	0.18	72	1.7	35	6-132	
3- & 4-Methylphenols	0.5	0.388	77.6	0.5	0.367	73.4	5.6	35	29-132	
Hexachlorobenzene	0.25	0.259	104	0.25	0.256	102	1.2	35	44-142	
Hexachlorobutadiene	0.25	0.19	76	0.25	0.208	83.2	9.1	35	20-124	
Hexachloroethane	0.25	0.18	72	0.25	0.18	72	0.0	35	14-136	
Nitrobenzene	0.25	0.215	86	0.25	0.218	87.2	1.4	35	38-146	
Pentachlorophenol	0.25	0.177	70.8	0.25	0.162	64.8	8.8	35	25-125	
Pyridine	0.25	0.078	31.2	0.25	0.076	30.4	2.6	35	6-112	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : TCLP Semivolatiles **Method : SW-846 8270D** **Reporting Units : mg/L**

QC Batch ID : Qb11072810 **Created Date :** 07/28/11 **Created By :** Mli

Samples in This QC Batch : 11070732.03

QC Type: MS and MSD
QC Sample ID: 11070759.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,4-Dichlorobenzene	BRL	0.25	0.156	62.4						24-134	
2,4,5-Trichlorophenol	BRL	0.25	0.186	74.4						6-115	
2,4,6-Trichlorophenol	BRL	0.25	0.186	74.4						40-138	
2,4-Dinitrotoluene	BRL	0.25	0.158	63.2						32-114	
2-Methylphenol	BRL	0.25	0.158	63.2						6-132	
3- & 4-Methylphenols	BRL	0.5	0.323	64.6						29-132	
Hexachlorobenzene	BRL	0.25	0.222	88.8						44-142	
Hexachlorobutadiene	BRL	0.25	0.166	66.4						20-124	
Hexachloroethane	BRL	0.25	0.149	59.6						14-136	
Nitrobenzene	BRL	0.25	0.197	78.8						38-146	
Pentachlorophenol	BRL	0.25	0.163	65.2						25-125	
Pyridine	BRL	0.25	0.039	15.6						6-112	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb11072824 **Created Date :** 07/28/11 **Created By :** PRKasar

Samples in This QC Batch : 11070732.02

QC Type: Duplicate

QC Sample ID: 11070732.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	84	101	83	84	101	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : **TCLP Semivolatiles** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb11080813 **Created Date :** 08/08/11 **Created By :** Mli

Samples in This QC Batch : 11070732.01,02

Extraction :	PB11080514	**Prep Method :**	SW-846 3510C	**Prep Date :**	08/04/11 11:00	**Prep By :**	Lwang
TCLP Prep :	PB11080412	**Prep Method :**	SW-846 1311	**Prep Date :**	08/03/11 17:10	**Prep By :**	Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.1		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-86-1	BRL	mg/L	1	0.05		
2-Fluorophenol(surr)	367-12-4	56.8	%	1	15-111		
Phenol-d6(surr)	13127-88-3	67.3	%	1	15-120		
Nitrobenzene-d5(surr)	4165-60-0	65.7	%	1	20-120		
2-Fluorobiphenyl(surr)	132-60-8	80.6	%	1	30-115		
2,4,6-Tribromophenol(surr)	118-79-6	80.1	%	1	10-120		
p-Terphenyl-d14(surr)	1718-51-0	111	%	1	18-137		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.25	0.195	78	0.25	0.197	78.8	1	35	24-134	
2,4,5-Trichlorophenol	0.25	0.187	74.8	0.25	0.181	72.4	3.3	35	6-115	
2,4,6-Trichlorophenol	0.25	0.213	85.2	0.25	0.197	78.8	7.8	35	40-138	
2,4-Dinitrotoluene	0.25	0.184	73.6	0.25	0.194	77.6	5.3	35	32-114	
2-Methylphenol	0.25	0.215	86	0.25	0.211	84.4	1.9	35	6-132	
3- & 4-Methylphenols	0.5	0.401	80.2	0.5	0.386	77.2	3.8	35	29-132	
Hexachlorobenzene	0.25	0.313	125	0.25	0.324	130	3.4	35	44-142	
Hexachlorobutadiene	0.25	0.239	95.6	0.25	0.24	96	0.4	35	20-124	
Hexachloroethane	0.25	0.182	72.8	0.25	0.184	73.6	1.1	35	14-136	
Nitrobenzene	0.25	0.226	90.4	0.25	0.219	87.6	3.1	35	38-146	
Pentachlorophenol	0.25	0.098	39.2	0.25	0.105	42	6.9	35	25-125	
Pyridine	0.25	0.075	30	0.25	0.076	30.4	1.3	35	6-112	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 11070732 **Date :** 8/8/2011

Analysis : TCLP Semivolatiles **Method : SW-846 8270D** **Reporting Units : mg/L**

QC Batch ID : Qb11080813 **Created Date :** 08/08/11 **Created By :** Mli

Samples in This QC Batch : 11070732.01,02

QC Type: MS and MSD
QC Sample ID: 11080064.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,4-Dichlorobenzene	BRL	0.25	0.133	53.2						24-134	
2,4,5-Trichlorophenol	BRL	0.25	0.176	70.4						6-115	
2,4,6-Trichlorophenol	BRL	0.25	0.189	75.6						40-138	
2,4-Dinitrotoluene	BRL	0.25	0.168	67.2						32-114	
2-Methylphenol	BRL	0.25	0.155	62						6-132	
3- & 4-Methylphenols	BRL	0.5	0.292	58.4						29-132	
Hexachlorobenzene	BRL	0.25	0.214	85.6						44-142	
Hexachlorobutadiene	BRL	0.25	0.176	70.4						20-124	
Hexachloroethane	BRL	0.25	0.122	48.8						14-136	
Nitrobenzene	BRL	0.25	0.179	71.6						38-146	
Pentachlorophenol	BRL	0.25	0.173	69.2						25-125	
Pyridine	BRL	0.25	0.049	19.6						6-112	

Refer to the Definition page for terms.

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A&B JOB ID # 11070732

5. Project #

1. REPORT TO:
Company: C G H Associates
Address: 16403 Haverhurst Dr
Houston, Texas 77059
Contact: Clark Hickman
Phone: 281-488-0848
Fax: ☐ 281-488-3359
E-mail: ☐ chickman7@comcast.net

2. INVOICE TO:
Company: NuTerra Solutions, LLC
Address: McGinnis, Lochridge, & Kilgore LLP
1111 Louisiana Street, Suite 4800
Houston, Texas 77002
Contact: Deirdre Brown
Phone: (713) 615-8507
Fax: ☐ (713) 328-1807
E-mail: ☐ dbrown@mcginnislaw.com

3. PO #

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project/Name/Location: Task Force (Houston)

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Clark Hickman (CGH Associates)
Sampler's Signature & Date: Clark Hickman

13. 14. Containers* / 15. Preservatives** / 16. PH-Lab Only

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	No. of Containers	17. Analyses/Methods: TCLP RCRA Metals (8)	TCLP Volatile Organics	TCLP Semivolatile Organics	HFZ (Reactivity, Corrosivity & Ignitability)				18. REMARKS
01A	NTF (Water)	7/14/11		X		+						1	✓	✓	✓	✓				Water only
02A	STF (Water)	7/14/11		X		+						1	✓	✓	✓	✓				Water only
03A	789 (Water)	7/14/11		X		+						1	✓	✓	✓	✓				Water only

Call for additional sample; run what can be run for now

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Clark Hickman	7/22/11	16:45			
2					
3			21. RECEIVED BY LABORATORY	7/22/11	16:45

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other ____

**Preservatives: C - Cool; OH - NaOH; H - HCl; T - $Na_2S_2O_3$; N - HNO_3; X - Other ____; S - H_2SO_4

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

22. KNOWN HAZARDS/COMMENTS

Temperature: 27.6 °C

Intact (Y) or N Initials DL

A&B cannot accept verbal changes. Please FAX written changes to 713-453-6091.

Samples will be disposed of after 30 days. A&B reserves the right to return samples.

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

A & B Labs — Chain of Custody

Additional ~~Are~~ Sample volume

The Chain of Custody is a Legal Document

Page ____ of ____

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1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 11070732

5. Project #

1. REPORT TO:
Company: CGH Associates
Address: 16403 Haverhurst Dr, Houston, Texas 77059
Contact: Clark Hickman
Phone: 281-488-0848
Fax: 281-488-3359
E-mail: chickman7@comcast.net

2. INVOICE TO:
Company: Nu Term Solutions, LLC
Address: McGinnis, Lochridge, & Kilgore LLP, 1111 Louisiana Street, Suite ___, Houston, Texas 77002
Contact: Deirdre Brown
Phone: (713) 615-8507
Fax: (713) 328-1807
E-mail: dbrown@mcginnislaw.com

3. PO #

Turnaround Time (Business Days)
- ☐ 1 Day*
- ☐ Other
- ☐ 2 Days*
- ☐ 3 Days*
- ☐ 7 Days - Standard

*Surcharge applies

6. Project Name/Location: Tank Farm (Houston)

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT) — Sampler's Signature & Date

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods: TCLP Semi Volatiles

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	No. of Containers	TCLP Semi Volatiles	18. REMARKS
01B	NTF (water) (142)	7/14/11		X									✓	Water layer only
01C	NTF (water) (56WTFOI)	7/14/11		X									✓	Water layer only
02B	STF (water) (23)	7/14/11		X									✓	Water layer only
02C	STF (water) (67)	7/14/11		X									✓	Water layer only

Mix together NTF (142) and NTF (56WTFOI) to obtain mix composite. STF (23) and STF (67) mix composite.

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Clark Hickman	7/27/11	16:48			
2					
3			21. RECEIVED BY LABORATORY	7/27/11	16:48

22. KNOWN HAZARDS/COMMENTS

Temperature: 32.6 °C

Intact: Y or N Initials: DL

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; P/O - Plastic/other ____

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other ____

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

Sample Condition Checklist

Date : **08/08/11**

A&B JobID : **11070732**	Date Received : **07/22/2011**	Time Received : **4:45PM**
Client Name : **CGH Associates**		
Temperature : **27.6°C**	Sample pH : **N/A**	

	Check Points	Yes	No	N/A
1.	**Cooler seal present and signed.**		X	
2.	**Sample(s) in a cooler.**		X	
3.	**If yes, ice in cooler.**		X	
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If no comment).**	X		
8.	**Matrix :** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Sample(s) were received in appropriate container(s).**	X		
10.	**Sample(s) were received with proper preservative**		X	
11.	**All samples were logged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received within the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Temperature requirements not met.

Received by : Dlopez

Check in by/date : Mgonzalez / 07/22/2011

Laboratory Analysis Report

Total Number of Pages: 199

Job ID : 12071121

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
79112 CES / CES Davis Askanese

Report To :	Client Name:	Effective Environmental	P.O.#.: 79112
	Attn:	Clint Lechner	Sample Collected By: Clint Lechner
	Client Address:	9950 Chemical Road	Date Collected: 07/26/12
	City, State, Zip:	Houston, Texas, 77507	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
WW T1	Water	12071121.01
WW T12	Water	12071121.02
WW T2	Water	12071121.03
WW T 6	Water	12071121.04
WW T3	Water	12071121.05
WW T4	Water	12071121.06
WW T10	Water	12071121.07
WW T5	Water	12071121.08
WW T7	Water	12071121.09
WW T9	Water	12071121.10
WW T8	Water	12071121.11

Released By: Alisha Rodriguez
Title: Project Manager
Date: 8/7/2012

This Laboratory is NELAP (T104704213-12-6) accredited. Effective: 05/31/2012; Expires: 06/30/2012
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 07/26/2012 13:53

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 12071121

Date: 8/7/2012

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

D1	Sample required dilution due to matrix effects.
D2	Sample required dilution due to high concentration of non-target analyte.
E	Estimation. Above calibration range.
H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
L1	Associated LCS and/or LCSD recovery is above acceptance limits for flagged analyte. Bias may be high.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Not calculated. Sample concentration high. Spike out of linear range. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
M9	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits.
R3	MS/MSD RPD exceeds control limit. Recovery meets acceptance criteria.
S1	Surrogate recovery is above control limit. Results may be biased high.
S4	Surrogate not available due to dilution of sample extract for quantification.
U	Undetected at SDL (Sample Detection Limit).
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V7	CCV recovery is below the control limit for this analyte, however the average %difference for all the analytes meets method criteria.

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T1
A&B Job Sample ID: 12071121.01

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.05		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:31
7440-38-2	Arsenic	0.023	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 03:31
7440-39-3	Barium	0.588		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 03:31
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 03:31
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 03:31
7440-47-3	Chromium	1.77		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:31
7439-92-1	Lead	0.07		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:31
7440-02-0	Nickel	0.886		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:31
7782-49-2	Selenium	< SDL	U	0.008	0.004	0.02	30	mg/L	2	08/02/12 03:31
7440-22-4	Silver	0.003	J	0.002	0.001	0.02	20	mg/L	2	08/02/12 03:31

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.001	0.00006	0.0002	0.01	mg/L	20	07/31/12 18:22

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12072744	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	1199	E,D1	10	1	----	----	mg/L	10	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080225	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/02/12 08:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T1
A&B Job Sample ID: 12071121.01
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
71-55-6	1,1,1-Trichloroethane	< SDL	D2,U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 12:34
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
95-63-6	1,2,4-Trimethylbenzene	0.182		0.025	0.001	0.005	0.05	mg/L	25	08/02/12 11:30
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 12:34
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
108-67-8	1,3,5-Trimethylbenzene	0.205		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
71-43-2	Benzene	0.322		0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 11:30
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
74-97-5	Bromochloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 12:34
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 12:34
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 12:34
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T1
A&B Job Sample ID: 12071121.01
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
75-71-8	Dichlorodifluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
100-41-4	Ethylbenzene	0.147		0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
108-38-3&106-4	m- & p-Xylenes	0.624		0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 12:34
78-93-3	MEK	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 12:34
75-09-2	Methylene chloride	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 12:34
91-20-3	Naphthalene	0.368		0.075	0.003	0.005	0.05	mg/L	25	08/02/12 11:30
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
103-65-1	n-Propylbenzene	0.088		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
95-47-6	o-Xylene	0.269		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
100-42-5	Styrene	0.135		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 12:34
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
108-88-3	Toluene	0.076		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 12:34
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 12:34
1330-20-7	Xylenes	0.893		0.05	0.005	0.015	0.15	mg/L	10	08/02/12 12:34
17060-07-0	1,2-Dichloroethane-d4(surr)	106				70	130	%	25	08/02/12 12:34
1868-53-7	Dibromofluoromethane(surr)	112				70	130	%	25	08/02/12 12:34
2037-26-5	Toluene-d8(surr)	110				70	130	%	25	08/02/12 12:34
460-00-4	p-Bromofluorobenzene(surr)	108				70	130	%	25	08/02/12 12:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T1
A&B Job Sample ID: 12071121.01
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:08
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:08
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:08
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:08
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
95-48-7	2-Methylphenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:08
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	0.250	0.005	0.02	0.24	mg/L	50	07/31/12 13:08
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 13:08
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
59-50-7	4-Chloro-3-methylphenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 13:08
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T1
A&B Job Sample ID: 12071121.01
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
65-85-0	Benzoic acid	< SDL	U	0.950	0.019	0.01	0.12	mg/L	50	07/31/12 13:08
100-51-6	Benzyl alcohol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 13:08
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:08
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:08
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
91-20-3	Naphthalene	0.256	J	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:08
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:08
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
108-95-2	Phenol	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:08
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:08
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 13:08
118-79-6	2,4,6-Tribromophenol(surr)	56.4				19	122	%	50	07/31/12 13:08
13127-88-3	Phenol-d6(surr)	21				10	130	%	50	07/31/12 13:08
132-60-8	2-Fluorobiphenyl(surr)	71.4				30	115	%	50	07/31/12 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	83.6				18	137	%	50	07/31/12 13:08
367-12-4	2-Fluorophenol(surr)	32.8				15	115	%	50	07/31/12 13:08
4165-60-0	Nitrobenzene-d5(surr)	73.2				23	120	%	50	07/31/12 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 10:30
QC Batch ID:	Qb12080224	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.97	H3			----	----	s.u.		08/02/12 10:25
	Temperature when read, °C[1]	23.4	H3			----	----	s.u.		08/02/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T1	Date:	8/7/2012
A&B Job Sample ID:	12071121.01		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 10:30
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	17.1		0.568	0.66	1.5	60	mg/L	0.86	08/01/12 14:52
TPH-1005-2	>C12-C28[1]	209		7.43	0.86	1.5	60	mg/L	8.64	08/01/12 16:07
TPH-1005-4	>C28-C35[1]	137		6.48	0.75	1.5	60	mg/L	8.64	08/01/12 16:07
	Total C6-C35	363.1				----	----	mg/L	8.64	08/01/12 16:07
111-85-3	1-Chlorooctane(surr)	125	S1			59	122	%	0.86	08/01/12 16:07
3386-33-2	Chlorooctadecane(surr)	65.7				48	123	%	8.64	08/01/12 16:07

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.072		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:36
7440-38-2	Arsenic	0.118		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:36
7440-39-3	Barium	0.514		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 03:36
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 03:36
7440-43-9	Cadmium	0.005	J	0.004	0.002	0.02	15	mg/L	2	08/02/12 03:36
7440-47-3	Chromium	0.361		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:36
7439-92-1	Lead	0.217		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:36
7440-02-0	Nickel	5.34		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:36
7782-49-2	Selenium	0.133		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:36
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 03:36

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 17:39

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12072744	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	1527	E,D1	10	1	----	----	mg/L	10	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080225	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/02/12 08:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080636	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
71-55-6	1,1,1-Trichloroethane	< SDL	D2,U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 13:41
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
95-63-6	1,2,4-Trimethylbenzene	0.181		0.025	0.001	0.005	0.05	mg/L	25	08/02/12 12:02
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 13:41
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
108-67-8	1,3,5-Trimethylbenzene	0.147		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
71-43-2	Benzene	0.025	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
74-97-5	Bromochloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 13:41
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 13:41
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 13:41
67-66-3	Chloroform	0.561		0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 12:02
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
75-71-8	Dichlorodifluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
100-41-4	Ethylbenzene	0.189		0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
108-38-3&106-4	m- & p-Xylenes	0.874		0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 13:41
78-93-3	MEK	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 13:41
75-09-2	Methylene chloride	0.093		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 13:41
91-20-3	Naphthalene	0.256		0.075	0.003	0.005	0.05	mg/L	25	08/02/12 12:02
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
103-65-1	n-Propylbenzene	0.07		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
95-47-6	o-Xylene	0.491		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
100-42-5	Styrene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 13:41
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
108-88-3	Toluene	0.513		0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 12:02
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 13:41
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 13:41
1330-20-7	Xylenes	1.37		0.05	0.005	0.015	0.15	mg/L	10	08/02/12 13:41
17060-07-0	1,2-Dichloroethane-d4(surr)	103				70	130	%	25	08/02/12 13:41
1868-53-7	Dibromofluoromethane(surr)	109				70	130	%	25	08/02/12 13:41
2037-26-5	Toluene-d8(surr)	111				70	130	%	25	08/02/12 13:41
460-00-4	p-Bromofluorobenzene(surr)	106				70	130	%	25	08/02/12 13:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 13:33
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 13:33
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
88-06-2	2,4,6-Trichlorophenol	< SDL	U	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 13:33
120-83-2	2,4-Dichlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
105-67-9	2,4-Dimethylphenol	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 13:33
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
91-58-7	2-Chloronaphthalene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
95-57-8	2-Chlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
91-57-6	2-Methylnaphthalene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
95-48-7	2-Methylphenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
88-74-4	2-Nitroaniline	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
88-75-5	2-Nitrophenol	< SDL	U	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 13:33
108-39-4 & 106-	3- & 4-Methylphenols	1.72	J	0.750	0.005	0.02	0.24	mg/L	150	07/31/12 13:33
91-94-1	3,3-Dichlorobenzidine	< SDL	U	1.65	0.011	0.01	0.12	mg/L	150	07/31/12 13:33
99-09-2	3-Nitroaniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
59-50-7	4-Chloro-3-methylphenol	1.21	J	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
106-47-8	4-Chloroaniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
100-01-6	4-Nitroaniline	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
100-02-7	4-Nitrophenol	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
83-32-9	Acenaphthene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
208-96-8	Acenaphthylene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
62-53-3	Aniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
120-12-7	Anthracene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
103-33-3	Azobenzene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
92-87-5	Benzidine	< SDL	U	1.95	0.013	0.01	0.12	mg/L	150	07/31/12 13:33
56-55-3	Benzo(a)anthracene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
50-32-8	Benzo(a)pyrene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
65-85-0	Benzoic acid	4.19		2.85	0.019	0.01	0.12	mg/L	150	07/31/12 13:33
100-51-6	Benzyl alcohol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	1.20	0.008	0.01	0.12	mg/L	150	07/31/12 13:33
85-68-7	Butyl benzyl phthalate	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
86-74-8	Carbazole	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
218-01-9	Chrysene	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 13:33
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
132-64-9	Dibenzofuran	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
84-66-2	Diethyl phthalate	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
131-11-3	Dimethyl phthalate	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
84-74-2	Di-n-butyl phthalate	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 13:33
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
206-44-0	Fluoranthene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
86-73-7	Fluorene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
118-74-1	Hexachlorobenzene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
87-68-3	Hexachlorobutadiene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
67-72-1	Hexachloroethane	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
78-59-1	Isophorone	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
91-20-3	Naphthalene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 13:33
98-95-3	Nitrobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
87-86-5	Pentachlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 13:33
85-01-8	Phenanthrene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
108-95-2	Phenol	1.12	J	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 13:33
129-00-0	Pyrene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 13:33
110-86-1	Pyridine	< SDL	U	2.25	0.015	0.01	0.12	mg/L	150	07/31/12 13:33
118-79-6	2,4,6-Tribromophenol(surr)	59.4				19	122	%	150	07/31/12 13:33
13127-88-3	Phenol-d6(surr)	79.2				10	130	%	150	07/31/12 13:33
132-60-8	2-Fluorobiphenyl(surr)	63				30	115	%	150	07/31/12 13:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	72.6				18	137	%	150	07/31/12 13:33
367-12-4	2-Fluorophenol(surr)	45				15	115	%	150	07/31/12 13:33
4165-60-0	Nitrobenzene-d5(surr)	70.2				23	120	%	150	07/31/12 13:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T12	Date:	8/7/2012
A&B Job Sample ID:	12071121.02		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 10:40
QC Batch ID:	Qb12080224	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	4.95	H3			----	----	s.u.		08/02/12 10:25
	Temperature when read, °C[1]	24.2	H3			----	----	s.u.		08/02/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T12
A&B Job Sample ID: 12071121.02

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 10:40
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	274		5.98	0.66	1.5	60	mg/L	9.06	08/01/12 16:52
TPH-1005-2	>C12-C28[1]	432		7.79	0.86	1.5	60	mg/L	9.06	08/01/12 16:52
TPH-1005-4	>C28-C35[1]	115		6.80	0.75	1.5	60	mg/L	9.06	08/01/12 16:52
	Total C6-C35	821				----	----	mg/L	9.06	08/01/12 16:52
111-85-3	1-Chlorooctane(surr)	63.9				59	122	%	9.06	08/01/12 16:52
3386-33-2	Chlorooctadecane(surr)	74.9				48	123	%	9.06	08/01/12 16:52

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T2
A&B Job Sample ID: 12071121.03

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.181		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:42
7440-38-2	Arsenic	0.212		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:42
7440-39-3	Barium	0.795		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 03:42
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 03:42
7440-43-9	Cadmium	0.009	J	0.004	0.002	0.02	15	mg/L	2	08/02/12 03:42
7440-47-3	Chromium	0.298		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:42
7439-92-1	Lead	0.190		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:42
7440-02-0	Nickel	4.44		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:42
7782-49-2	Selenium	0.229		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:42
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 03:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 17:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	5296	E,D1	20	1	----	----	mg/L	20	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080225	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/02/12 08:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T2
A&B Job Sample ID: 12071121.03
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
71-55-6	1,1,1-Trichloroethane	< SDL	D2,U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
75-34-3	1,1-Dichloroethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
75-35-4	1,1-Dichloroethylene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
563-58-6	1,1-Dichloropropene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.125	0.005	0.005	0.05	mg/L	25	08/02/12 13:09
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
95-63-6	1,2,4-Trimethylbenzene	0.652		0.05	0.001	0.005	0.05	mg/L	50	08/03/12 15:55
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.088	0.0035	0.005	0.05	mg/L	25	08/02/12 13:09
106-93-4	1,2-Dibromoethane	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
107-06-2	1,2-Dichloroethane	< SDL	U	0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
78-87-5	1,2-Dichloropropane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
108-67-8	1,3,5-Trimethylbenzene	7.09	E	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
142-28-9	1,3-Dichloropropane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
594-20-7	2,2-Dichloropropane	< SDL	U	0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
95-49-8	2-Chlorotoluene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
106-43-4	4-Chlorotoluene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
99-87-6	4-Isopropyltoluene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
71-43-2	Benzene	0.362		0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
108-86-1	Bromobenzene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
74-97-5	Bromochloromethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
75-27-4	Bromodichloromethane	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
75-25-2	Bromoform	< SDL	U	0.075	0.003	0.005	0.05	mg/L	25	08/02/12 13:09
74-83-9	Bromomethane	< SDL	U	0.075	0.003	0.005	0.05	mg/L	25	08/02/12 13:09
56-23-5	Carbon tetrachloride	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
108-90-7	Chlorobenzene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
75-00-3	Chloroethane	< SDL	U	0.125	0.005	0.005	0.05	mg/L	25	08/02/12 13:09
67-66-3	Chloroform	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
74-87-3	Chloromethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T2
A&B Job Sample ID: 12071121.03
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
74-95-3	Dibromomethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
75-71-8	Dichlorodifluoromethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
100-41-4	Ethylbenzene	1.44	E	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
98-82-8	Isopropylbenzene	0.635		0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
108-38-3&106-4	m- & p-Xylenes	6.35	E	0.063	0.0025	0.01	0.1	mg/L	25	08/02/12 13:09
78-93-3	MEK	3.59		0.500	0.005	0.005	0.05	mg/L	100	08/03/12 17:58
75-09-2	Methylene chloride	< SDL	U	0.075	0.003	0.005	0.05	mg/L	25	08/02/12 13:09
91-20-3	Naphthalene	1.12		0.375	0.003	0.005	0.05	mg/L	125	08/02/12 15:37
104-51-8	n-Butylbenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
103-65-1	n-Propylbenzene	2.51	E	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
95-47-6	o-Xylene	2.92	E	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
135-98-8	sec-Butylbenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
100-42-5	Styrene	< SDL	U	0.025	0.001	0.005	0.05	mg/L	25	08/02/12 13:09
98-06-6	t-butylbenzene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
127-18-4	Tetrachloroethylene	2.60	E	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
108-88-3	Toluene	2.75	E	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
79-01-6	Trichloroethylene	< SDL	U	0.05	0.002	0.005	0.05	mg/L	25	08/02/12 13:09
75-69-4	Trichlorofluoromethane	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
75-01-4	Vinyl Chloride	< SDL	U	0.038	0.0015	0.005	0.05	mg/L	25	08/02/12 13:09
1330-20-7	Xylenes	9.27	E	0.125	0.005	0.015	0.15	mg/L	25	08/02/12 13:09
17060-07-0	1,2-Dichloroethane-d4(surr)	83.4				70	130	%	50	08/02/12 13:09
1868-53-7	Dibromofluoromethane(surr)	93.9				70	130	%	50	08/02/12 13:09
2037-26-5	Toluene-d8(surr)	96.5				70	130	%	50	08/02/12 13:09
460-00-4	p-Bromofluorobenzene(surr)	84.6				70	130	%	50	08/02/12 13:09

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T2
A&B Job Sample ID: 12071121.03
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:54
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:54
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:54
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:54
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
95-48-7	2-Methylphenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 13:54
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	0.250	0.005	0.02	0.24	mg/L	50	07/31/12 13:54
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 13:54
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
59-50-7	4-Chloro-3-methylphenol	0.432	J	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 13:54
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T2
A&B Job Sample ID: 12071121.03
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
65-85-0	Benzoic acid	5.80		4.75	0.019	0.01	0.12	mg/L	250	07/31/12 18:21
100-51-6	Benzyl alcohol	0.480	J	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 13:54
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:54
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 13:54
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 13:54
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 13:54
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
108-95-2	Phenol	0.263	J	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 13:54
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 13:54
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 13:54
118-79-6	2,4,6-Tribromophenol(surr)	31.8				19	122	%	50	07/31/12 13:54
13127-88-3	Phenol-d6(surr)	92.6				10	130	%	50	07/31/12 13:54
132-60-8	2-Fluorobiphenyl(surr)	32.8				30	115	%	50	07/31/12 13:54

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	40.4				18	137	%	50	07/31/12 13:54
367-12-4	2-Fluorophenol(surr)	20.6				15	115	%	50	07/31/12 13:54
4165-60-0	Nitrobenzene-d5(surr)	28.4				23	120	%	50	07/31/12 13:54

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 10:50
QC Batch ID:	Qb12080224	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	5.20	H3			----	----	s.u.		08/02/12 10:25
	Temperature when read, °C[1]	24.3	H3			----	----	s.u.		08/02/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T2	Date:	8/7/2012
A&B Job Sample ID:	12071121.03		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 10:50
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	293		58.6	0.66	1.5	60	mg/L	88.73	08/01/12 17:30
TPH-1005-2	>C12-C28[1]	965		76.3	0.86	1.5	60	mg/L	88.73	08/01/12 17:30
TPH-1005-4	>C28-C35[1]	1046		66.5	0.75	1.5	60	mg/L	88.73	08/01/12 17:30
	Total C6-C35	2304				----	----	mg/L	88.73	08/01/12 17:30
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	88.73	08/01/12 17:30
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	88.73	08/01/12 17:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T 6
A&B Job Sample ID: 12071121.04

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.110		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:48
7440-38-2	Arsenic	0.110		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:48
7440-39-3	Barium	1.53		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 03:48
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 03:48
7440-43-9	Cadmium	0.038	J	0.004	0.002	0.02	15	mg/L	2	08/02/12 03:48
7440-47-3	Chromium	0.563		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:48
7439-92-1	Lead	1.64		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:48
7440-02-0	Nickel	1.98		0.008	0.004	0.02	20	mg/L	2	08/02/12 03:48
7782-49-2	Selenium	0.063		0.008	0.004	0.02	30	mg/L	2	08/02/12 03:48
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 03:48

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.001	0.00006	0.0002	0.01	mg/L	20	07/31/12 18:32

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	2838	E,D1	10	1	----	----	mg/L	10	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080225	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/02/12 08:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T 6
A&B Job Sample ID: 12071121.04
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
71-55-6	1,1,1-Trichloroethane	< SDL	D2,U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:33
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
95-63-6	1,2,4-Trimethylbenzene	2.30		0.1	0.001	0.005	0.05	mg/L	100	08/03/12 17:25
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 14:33
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
108-67-8	1,3,5-Trimethylbenzene	0.568		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 17:25
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
71-43-2	Benzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
74-97-5	Bromochloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:33
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:33
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:33
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T 6
A&B Job Sample ID: 12071121.04
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080304	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
75-71-8	Dichlorodifluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
100-41-4	Ethylbenzene	1.10		0.200	0.002	0.005	0.05	mg/L	100	08/03/12 17:25
98-82-8	Isopropylbenzene	0.103		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
108-38-3&106-4	m- & p-Xylenes	4.99		0.250	0.0025	0.01	0.1	mg/L	100	08/03/12 17:25
78-93-3	MEK	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:33
75-09-2	Methylene chloride	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:33
91-20-3	Naphthalene	1.94		0.300	0.003	0.005	0.05	mg/L	100	08/03/12 17:25
104-51-8	n-Butylbenzene	0.721		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 17:25
103-65-1	n-Propylbenzene	0.199		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
95-47-6	o-Xylene	3.74		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 17:25
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
100-42-5	Styrene	0.045	J	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:33
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
108-88-3	Toluene	0.946		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 17:25
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:33
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:33
1330-20-7	Xylenes	8.73		0.500	0.005	0.015	0.15	mg/L	100	08/03/12 17:25
17060-07-0	1,2-Dichloroethane-d4(surr)	84.9				70	130	%	25	08/02/12 14:33
1868-53-7	Dibromofluoromethane(surr)	94				70	130	%	25	08/02/12 14:33
2037-26-5	Toluene-d8(surr)	96.5				70	130	%	25	08/02/12 14:33
460-00-4	p-Bromofluorobenzene(surr)	82.8				70	130	%	25	08/02/12 14:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T 6
A&B Job Sample ID: 12071121.04
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:14
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:14
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:14
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:14
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
95-48-7	2-Methylphenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:14
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	0.250	0.005	0.02	0.24	mg/L	50	07/31/12 14:14
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 14:14
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
59-50-7	4-Chloro-3-methylphenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 14:14
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T 6
A&B Job Sample ID: 12071121.04

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
65-85-0	Benzoic acid	1.18		0.950	0.019	0.01	0.12	mg/L	50	07/31/12 14:14
100-51-6	Benzyl alcohol	0.492	J	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 14:14
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:14
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:14
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:14
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:14
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
108-95-2	Phenol	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:14
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:14
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 14:14
118-79-6	2,4,6-Tribromophenol(surr)	48.2				19	122	%	50	07/31/12 14:14
13127-88-3	Phenol-d6(surr)	21.6				10	130	%	50	07/31/12 14:14
132-60-8	2-Fluorobiphenyl(surr)	53.4				30	115	%	50	07/31/12 14:14

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	71.8				18	137	%	50	07/31/12 14:14
367-12-4	2-Fluorophenol(surr)	30.2				15	115	%	50	07/31/12 14:14
4165-60-0	Nitrobenzene-d5(surr)	57.8				23	120	%	50	07/31/12 14:14

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 11:10
QC Batch ID:	Qb12080224	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	7.55	H3			----	----	s.u.		08/02/12 10:25
	Temperature when read, °C[1]	24	H3			----	----	s.u.		08/02/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T 6	Date:	8/7/2012
A&B Job Sample ID:	12071121.04		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 11:10
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	50.9		5.87	0.66	1.5	60	mg/L	8.90	08/01/12 18:13
TPH-1005-2	>C12-C28[1]	392		7.65	0.86	1.5	60	mg/L	8.90	08/01/12 18:13
TPH-1005-4	>C28-C35[1]	97.2		6.68	0.75	1.5	60	mg/L	8.90	08/01/12 18:13
	Total C6-C35	540.1				----	----	mg/L	8.90	08/01/12 18:13
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	8.90	08/01/12 18:13
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	8.90	08/01/12 18:13

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T3
A&B Job Sample ID: 12071121.05

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.267	D1	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:01
7440-38-2	Arsenic	0.200		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:01
7440-39-3	Barium	12.1		0.04	0.004	0.02	3.0	mg/L	10	08/02/12 02:38
7440-41-7	Beryllium	0.008	J	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:01
7440-43-9	Cadmium	0.036	J	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:01
7440-47-3	Chromium	3.08		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:01
7439-92-1	Lead	1.53		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:01
7440-02-0	Nickel	2.85		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:01
7782-49-2	Selenium	0.036	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:01
7440-22-4	Silver	0.007	J	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:01

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.001	0.00006	0.0002	0.01	mg/L	20	07/31/12 18:35

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	8016	E,D1	20	1	----	----	mg/L	20	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	61	E	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T3
A&B Job Sample ID: 12071121.05
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:40
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
95-63-6	1,2,4-Trimethylbenzene	29.1		5.00	0.001	0.005	0.05	mg/L	5000	08/03/12 17:26
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 14:40
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
108-67-8	1,3,5-Trimethylbenzene	2.57		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 14:55
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
71-43-2	Benzene	0.246		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:40
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:40
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:40
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T3
A&B Job Sample ID: 12071121.05

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
100-41-4	Ethylbenzene	1.81		0.200	0.002	0.005	0.05	mg/L	100	08/03/12 14:55
98-82-8	Isopropylbenzene	0.191		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
108-38-3&106-4	m- & p-Xylenes	6.20		0.250	0.0025	0.01	0.1	mg/L	100	08/03/12 14:55
78-93-3	MEK	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 14:40
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 14:40
91-20-3	Naphthalene	2.68		0.300	0.003	0.005	0.05	mg/L	100	08/03/12 14:55
104-51-8	n-Butylbenzene	1.20		0.038	0.0015	0.005	0.05	mg/L	25	08/03/12 12:56
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
95-47-6	o-Xylene	2.81		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 14:55
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 14:40
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
108-88-3	Toluene	2.93		0.150	0.0015	0.005	0.05	mg/L	100	08/03/12 14:55
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 14:40
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 14:40
1330-20-7	Xylenes	9.01		0.500	0.005	0.015	0.15	mg/L	100	08/03/12 14:55
17060-07-0	1,2-Dichloroethane-d4(surr)	120				70	130	%	10	08/02/12 14:40
1868-53-7	Dibromofluoromethane(surr)	117				70	130	%	10	08/02/12 14:40
2037-26-5	Toluene-d8(surr)	124				70	130	%	10	08/02/12 14:40
460-00-4	p-Bromofluorobenzene(surr)	104				70	130	%	10	08/02/12 14:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T3
A&B Job Sample ID: 12071121.05
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.025	0.002	0.01	0.12	mg/L	12.5	07/31/12 18:42
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.025	0.002	0.01	0.12	mg/L	12.5	07/31/12 18:42
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.088	0.007	0.01	0.12	mg/L	12.5	07/31/12 18:42
120-83-2	2,4-Dichlorophenol	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
105-67-9	2,4-Dimethylphenol	0.119	J	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.088	0.007	0.01	0.12	mg/L	12.5	07/31/12 18:42
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
91-58-7	2-Chloronaphthalene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
95-57-8	2-Chlorophenol	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
91-57-6	2-Methylnaphthalene	0.077	J	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
95-48-7	2-Methylphenol	0.211		0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
88-74-4	2-Nitroaniline	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
88-75-5	2-Nitrophenol	< SDL	U	0.088	0.007	0.01	0.12	mg/L	12.5	07/31/12 18:42
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	0.063	0.005	0.02	0.24	mg/L	12.5	07/31/12 18:42
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.138	0.011	0.01	0.12	mg/L	12.5	07/31/12 18:42
99-09-2	3-Nitroaniline	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
59-50-7	4-Chloro-3-methylphenol	0.902		0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
106-47-8	4-Chloroaniline	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
100-01-6	4-Nitroaniline	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
100-02-7	4-Nitrophenol	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
83-32-9	Acenaphthene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
208-96-8	Acenaphthylene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
62-53-3	Aniline	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
120-12-7	Anthracene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
103-33-3	Azobenzene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
92-87-5	Benzidine	< SDL	U	0.163	0.013	0.01	0.12	mg/L	12.5	07/31/12 18:42
56-55-3	Benzo(a)anthracene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
50-32-8	Benzo(a)pyrene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T3
A&B Job Sample ID: 12071121.05
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
65-85-0	Benzoic acid	< SDL	U	0.238	0.019	0.01	0.12	mg/L	12.5	07/31/12 18:42
100-51-6	Benzyl alcohol	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.1	0.008	0.01	0.12	mg/L	12.5	07/31/12 18:42
85-68-7	Butyl benzyl phthalate	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
86-74-8	Carbazole	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
218-01-9	Chrysene	< SDL	U	0.025	0.002	0.01	0.12	mg/L	12.5	07/31/12 18:42
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
132-64-9	Dibenzofuran	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
84-66-2	Diethyl phthalate	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
131-11-3	Dimethyl phthalate	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
84-74-2	Di-n-butyl phthalate	< SDL	U	0.025	0.002	0.01	0.12	mg/L	12.5	07/31/12 18:42
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
206-44-0	Fluoranthene	< SDL	U	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
86-73-7	Fluorene	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
118-74-1	Hexachlorobenzene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
87-68-3	Hexachlorobutadiene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
67-72-1	Hexachloroethane	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
78-59-1	Isophorone	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
91-20-3	Naphthalene	0.095	J	0.05	0.004	0.01	0.12	mg/L	12.5	07/31/12 18:42
98-95-3	Nitrobenzene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
87-86-5	Pentachlorophenol	< SDL	U	0.063	0.005	0.01	0.12	mg/L	12.5	07/31/12 18:42
85-01-8	Phenanthrene	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
108-95-2	Phenol	< SDL	U	0.038	0.003	0.01	0.12	mg/L	12.5	07/31/12 18:42
129-00-0	Pyrene	< SDL	U	0.075	0.006	0.01	0.12	mg/L	12.5	07/31/12 18:42
110-86-1	Pyridine	< SDL	U	0.188	0.015	0.01	0.12	mg/L	12.5	07/31/12 18:42
118-79-6	2,4,6-Tribromophenol(surr)	N/A	S4			19	122	%	12.5	07/31/12 18:42
13127-88-3	Phenol-d6(surr)	N/A	S4			10	130	%	12.5	07/31/12 18:42
132-60-8	2-Fluorobiphenyl(surr)	41.7				30	115	%	12.5	07/31/12 18:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	42.1				18	137	%	12.5	07/31/12 18:42
367-12-4	2-Fluorophenol(surr)	N/A	S4			15	115	%	12.5	07/31/12 18:42
4165-60-0	Nitrobenzene-d5(surr)	43.6				23	120	%	12.5	07/31/12 18:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.02	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	24.3	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T3	Date:	8/7/2012
A&B Job Sample ID:	12071121.05		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 11:30
QC Batch ID:	Qb12080643	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/06/2012 13:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080635		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	356		11.7	0.66	1.5	60	mg/L	17.8	08/06/12 14:51
TPH-1005-2	>C12-C28[1]	1264		153	0.86	1.5	60	mg/L	177.7	08/06/12 14:27
TPH-1005-4	>C28-C35[1]	402		13.4	0.75	1.5	60	mg/L	17.8	08/06/12 14:51
	Total C6-C35	2022				----	----	mg/L	177.7	08/06/12 14:27
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	17.8	08/06/12 14:27
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	17.8	08/06/12 14:27

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	< SDL	U	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:08
7440-38-2	Arsenic	0.059		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:08
7440-39-3	Barium	0.047		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:08
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:08
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:08
7440-47-3	Chromium	0.142		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:08
7439-92-1	Lead	0.03	J	0.008	0.004	0.02	20	mg/L	2	08/02/12 04:08
7440-02-0	Nickel	1.69		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:08
7782-49-2	Selenium	0.01	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:08
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 18:03

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	219	E,D1	5.00	1	----	----	mg/L	5	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:20
Prepared By:	Srani		
Prep Batch ID	PB12080632		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 15:10
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
95-63-6	1,2,4-Trimethylbenzene	0.291		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 15:10
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
108-67-8	1,3,5-Trimethylbenzene	0.085		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
71-43-2	Benzene	0.026	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:10
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:10
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 15:10
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
100-41-4	Ethylbenzene	0.06		0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
108-38-3&106-4	m- & p-Xylenes	0.200		0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 15:10
78-93-3	MEK	3.65		0.500	0.005	0.005	0.05	mg/L	100	08/03/12 19:27
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:10
91-20-3	Naphthalene	0.186		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:10
104-51-8	n-Butylbenzene	0.061		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
103-65-1	n-Propylbenzene	0.04	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
95-47-6	o-Xylene	0.113		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:10
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
108-88-3	Toluene	0.194		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:10
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:10
1330-20-7	Xylenes	0.313		0.05	0.005	0.015	0.15	mg/L	10	08/02/12 15:10
17060-07-0	1,2-Dichloroethane-d4(surr)	94.6				70	130	%	10	08/02/12 15:10
1868-53-7	Dibromofluoromethane(surr)	106				70	130	%	10	08/02/12 15:10
2037-26-5	Toluene-d8(surr)	97.1				70	130	%	10	08/02/12 15:10
460-00-4	p-Bromofluorobenzene(surr)	81.3				70	130	%	10	08/02/12 15:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:55
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:55
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:55
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:55
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
95-48-7	2-Methylphenol	0.361	J	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 14:55
108-39-4 & 106-	3- & 4-Methylphenols	2.37		0.250	0.005	0.02	0.24	mg/L	50	07/31/12 14:55
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 14:55
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
59-50-7	4-Chloro-3-methylphenol	1.03		0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 14:55
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
65-85-0	Benzoic acid	4.36		0.950	0.019	0.01	0.12	mg/L	50	07/31/12 14:55
100-51-6	Benzyl alcohol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 14:55
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:55
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 14:55
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 14:55
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 14:55
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
108-95-2	Phenol	0.687		0.150	0.003	0.01	0.12	mg/L	50	07/31/12 14:55
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 14:55
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 14:55
118-79-6	2,4,6-Tribromophenol(surr)	57.6				19	122	%	50	07/31/12 14:55
13127-88-3	Phenol-d6(surr)	24.4				10	130	%	50	07/31/12 14:55
132-60-8	2-Fluorobiphenyl(surr)	58.6				30	115	%	50	07/31/12 14:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	63.2				18	137	%	50	07/31/12 14:55
367-12-4	2-Fluorophenol(surr)	38.2				15	115	%	50	07/31/12 14:55
4165-60-0	Nitrobenzene-d5(surr)	62.8				23	120	%	50	07/31/12 14:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T4	Date:	8/7/2012
A&B Job Sample ID:	12071121.06		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 12:00
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.70	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	24	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T4
A&B Job Sample ID: 12071121.06

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 12:00
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	14		0.594	0.66	1.5	60	mg/L	0.90	08/02/12 13:08
TPH-1005-2	>C12-C28[1]	24.3		0.774	0.86	1.5	60	mg/L	0.90	08/02/12 13:08
TPH-1005-4	>C28-C35[1]	3.06		0.675	0.75	1.5	60	mg/L	0.90	08/02/12 13:08
	Total C6-C35	41.36				----	----	mg/L	0.90	08/02/12 13:08
111-85-3	1-Chlorooctane(surr)	121				59	122	%	0.90	08/02/12 13:08
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	0.90	08/02/12 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.046		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:13
7440-38-2	Arsenic	0.129		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:13
7440-39-3	Barium	0.921		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:13
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:13
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:13
7440-47-3	Chromium	0.364		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:13
7439-92-1	Lead	0.089		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:13
7440-02-0	Nickel	8.30		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:13
7782-49-2	Selenium	0.092		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:13
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:13

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.001	0.00006	0.0002	0.01	mg/L	20	07/31/12 18:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	3896	E,D1	20	1	----	----	mg/L	20	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080629	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/06/12 13:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080636	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:20
Prepared By:	Srani		
Prep Batch ID	PB12080632		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 15:40
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
95-63-6	1,2,4-Trimethylbenzene	0.095		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 15:40
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
108-67-8	1,3,5-Trimethylbenzene	0.023	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
71-43-2	Benzene	0.023	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:40
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:40
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 15:40
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
100-41-4	Ethylbenzene	0.05		0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
108-38-3&106-4	m- & p-Xylenes	0.136		0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 15:40
78-93-3	MEK	1.57		0.250	0.005	0.005	0.05	mg/L	50	08/03/12 16:25
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:40
91-20-3	Naphthalene	0.190		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 15:40
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
95-47-6	o-Xylene	0.093		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 15:40
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
108-88-3	Toluene	0.229		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 15:40
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 15:40
1330-20-7	Xylenes	0.229		0.05	0.005	0.015	0.15	mg/L	10	08/02/12 15:40
17060-07-0	1,2-Dichloroethane-d4(surr)	97.5				70	130	%	10	08/02/12 15:40
1868-53-7	Dibromofluoromethane(surr)	107				70	130	%	10	08/02/12 15:40
2037-26-5	Toluene-d8(surr)	96				70	130	%	10	08/02/12 15:40
460-00-4	p-Bromofluorobenzene(surr)	81.5				70	130	%	10	08/02/12 15:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:16
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:16
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
88-06-2	2,4,6-Trichlorophenol	0.401	J	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:16
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:16
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
95-48-7	2-Methylphenol	0.620		0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:16
108-39-4 & 106-	3- & 4-Methylphenols	2.09		0.250	0.005	0.02	0.24	mg/L	50	07/31/12 15:16
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 15:16
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
59-50-7	4-Chloro-3-methylphenol	0.629		0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 15:16
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
65-85-0	Benzoic acid	4.86		0.950	0.019	0.01	0.12	mg/L	50	07/31/12 15:16
100-51-6	Benzyl alcohol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 15:16
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:16
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:16
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:16
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:16
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
108-95-2	Phenol	3.43		0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:16
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:16
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 15:16
118-79-6	2,4,6-Tribromophenol(surr)	46.6				19	122	%	50	07/31/12 15:16
13127-88-3	Phenol-d6(surr)	34.8				10	130	%	50	07/31/12 15:16
132-60-8	2-Fluorobiphenyl(surr)	41.4				30	115	%	50	07/31/12 15:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	50.6				18	137	%	50	07/31/12 15:16
367-12-4	2-Fluorophenol(surr)	28.8				15	115	%	50	07/31/12 15:16
4165-60-0	Nitrobenzene-d5(surr)	44				23	120	%	50	07/31/12 15:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T10	Date:	8/7/2012
A&B Job Sample ID:	12071121.07		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 12:20
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	7.25	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	24.5	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T10
A&B Job Sample ID: 12071121.07

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 12:20
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	54.8		5.89	0.66	1.5	60	mg/L	8.93	08/01/12 20:32
TPH-1005-2	>C12-C28[1]	108		7.68	0.86	1.5	60	mg/L	8.93	08/01/12 20:32
TPH-1005-4	>C28-C35[1]	< SDL	D1,U	6.70	0.75	1.5	60	mg/L	8.93	08/01/12 20:32
	Total C6-C35	162.8				----	----	mg/L	8.93	08/01/12 20:32
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	8.93	08/01/12 20:32
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	8.93	08/01/12 20:32

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T5
A&B Job Sample ID: 12071121.08

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.017	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:19
7440-38-2	Arsenic	0.093		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:19
7440-39-3	Barium	0.113		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:19
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:19
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:19
7440-47-3	Chromium	0.117		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:19
7439-92-1	Lead	0.044		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:19
7440-02-0	Nickel	1.66		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:19
7782-49-2	Selenium	0.031	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:19
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:19

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 18:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	494	E,D1	10	1	----	----	mg/L	10	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	07/30/2012 08:40
Prepared By:	Srani		
Prep Batch ID	PB12073135		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T5
A&B Job Sample ID: 12071121.08
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 16:10
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
95-63-6	1,2,4-Trimethylbenzene	0.044	J	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 16:10
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
108-67-8	1,3,5-Trimethylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
71-43-2	Benzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:10
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:10
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 16:10
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T5
A&B Job Sample ID: 12071121.08
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
100-41-4	Ethylbenzene	0.021	J	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
108-38-3&106-4	m- & p-Xylenes	0.068	J	0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 16:10
78-93-3	MEK	1.41		0.500	0.005	0.005	0.05	mg/L	100	08/03/12 17:55
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:10
91-20-3	Naphthalene	0.07		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:10
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
95-47-6	o-Xylene	0.041	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:10
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
108-88-3	Toluene	0.09		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:10
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:10
1330-20-7	Xylenes	0.109	J	0.05	0.005	0.015	0.15	mg/L	10	08/02/12 16:10
17060-07-0	1,2-Dichloroethane-d4(surr)	93.2				70	130	%	10	08/02/12 16:10
1868-53-7	Dibromofluoromethane(surr)	106				70	130	%	10	08/02/12 16:10
2037-26-5	Toluene-d8(surr)	100				70	130	%	10	08/02/12 16:10
460-00-4	p-Bromofluorobenzene(surr)	85.2				70	130	%	10	08/02/12 16:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T5
A&B Job Sample ID: 12071121.08
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:36
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:36
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:36
120-83-2	2,4-Dichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
105-67-9	2,4-Dimethylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:36
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
95-48-7	2-Methylphenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 15:36
108-39-4 & 106-	3- & 4-Methylphenols	3.23		0.250	0.005	0.02	0.24	mg/L	50	07/31/12 15:36
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 15:36
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
59-50-7	4-Chloro-3-methylphenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 15:36
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T5
A&B Job Sample ID: 12071121.08
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
65-85-0	Benzoic acid	1.39		0.950	0.019	0.01	0.12	mg/L	50	07/31/12 15:36
100-51-6	Benzyl alcohol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 15:36
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:36
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 15:36
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 15:36
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 15:36
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
108-95-2	Phenol	0.166	J	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 15:36
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 15:36
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 15:36
118-79-6	2,4,6-Tribromophenol(surr)	61.2				19	122	%	50	07/31/12 15:36
13127-88-3	Phenol-d6(surr)	24.6				10	130	%	50	07/31/12 15:36
132-60-8	2-Fluorobiphenyl(surr)	58.6				30	115	%	50	07/31/12 15:36

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	62.4				18	137	%	50	07/31/12 15:36
367-12-4	2-Fluorophenol(surr)	32.8				15	115	%	50	07/31/12 15:36
4165-60-0	Nitrobenzene-d5(surr)	59.2				23	120	%	50	07/31/12 15:36

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 12:30
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.22	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	24.8	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T5	Date:	8/7/2012
A&B Job Sample ID:	12071121.08		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 12:30
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	39.4		6.09	0.66	1.5	60	mg/L	9.23	08/01/12 21:16
TPH-1005-2	>C12-C28[1]	153		7.94	0.86	1.5	60	mg/L	9.23	08/01/12 21:16
TPH-1005-4	>C28-C35[1]	< SDL	D1,U	6.92	0.75	1.5	60	mg/L	9.23	08/01/12 21:16
	Total C6-C35	192.4				----	----	mg/L	9.23	08/01/12 21:16
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	9.23	08/01/12 21:16
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	9.23	08/01/12 21:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.118		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:42
7440-38-2	Arsenic	0.162		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:42
7440-39-3	Barium	0.422		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:42
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:42
7440-43-9	Cadmium	0.031	J	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:42
7440-47-3	Chromium	0.558		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:42
7439-92-1	Lead	0.243		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:42
7440-02-0	Nickel	6.97		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:42
7782-49-2	Selenium	0.114		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:42
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080138	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 11:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080133		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.001	0.00006	0.0002	0.01	mg/L	20	07/31/12 18:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	3218	E,D1	20	1	----	----	mg/L	20	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080629	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080236		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/06/12 13:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080636	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:20
Prepared By:	Srani		
Prep Batch ID	PB12080632		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 16:40
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
95-63-6	1,2,4-Trimethylbenzene	0.063		0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 16:40
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
108-67-8	1,3,5-Trimethylbenzene	0.015	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
71-43-2	Benzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:40
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:40
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 16:40
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
100-41-4	Ethylbenzene	0.027	J	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
108-38-3&106-4	m- & p-Xylenes	0.105		0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 16:40
78-93-3	MEK	0.139		0.05	0.005	0.005	0.05	mg/L	10	08/02/12 16:40
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:40
91-20-3	Naphthalene	0.117		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 16:40
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
95-47-6	o-Xylene	0.076		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 16:40
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
108-88-3	Toluene	0.05		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 16:40
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 16:40
1330-20-7	Xylenes	0.181		0.05	0.005	0.015	0.15	mg/L	10	08/02/12 16:40
17060-07-0	1,2-Dichloroethane-d4(surr)	78.1				70	130	%	10	08/02/12 16:40
1868-53-7	Dibromofluoromethane(surr)	88.2				70	130	%	10	08/02/12 16:40
2037-26-5	Toluene-d8(surr)	97.2				70	130	%	10	08/02/12 16:40
460-00-4	p-Bromofluorobenzene(surr)	83				70	130	%	10	08/02/12 16:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 15:57
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 15:57
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
88-06-2	2,4,6-Trichlorophenol	< SDL	U	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 15:57
120-83-2	2,4-Dichlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
105-67-9	2,4-Dimethylphenol	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 15:57
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
91-58-7	2-Chloronaphthalene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
95-57-8	2-Chlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
91-57-6	2-Methylnaphthalene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
95-48-7	2-Methylphenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
88-74-4	2-Nitroaniline	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
88-75-5	2-Nitrophenol	< SDL	U	1.05	0.007	0.01	0.12	mg/L	150	07/31/12 15:57
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	0.750	0.005	0.02	0.24	mg/L	150	07/31/12 15:57
91-94-1	3,3-Dichlorobenzidine	< SDL	U	1.65	0.011	0.01	0.12	mg/L	150	07/31/12 15:57
99-09-2	3-Nitroaniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
59-50-7	4-Chloro-3-methylphenol	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
106-47-8	4-Chloroaniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
100-01-6	4-Nitroaniline	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
100-02-7	4-Nitrophenol	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
83-32-9	Acenaphthene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
208-96-8	Acenaphthylene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
62-53-3	Aniline	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
120-12-7	Anthracene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
103-33-3	Azobenzene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
92-87-5	Benzidine	< SDL	U	1.95	0.013	0.01	0.12	mg/L	150	07/31/12 15:57
56-55-3	Benzo(a)anthracene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
50-32-8	Benzo(a)pyrene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
65-85-0	Benzoic acid	3.17		2.85	0.019	0.01	0.12	mg/L	150	07/31/12 15:57
100-51-6	Benzyl alcohol	1.78		0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	1.20	0.008	0.01	0.12	mg/L	150	07/31/12 15:57
85-68-7	Butyl benzyl phthalate	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
86-74-8	Carbazole	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
218-01-9	Chrysene	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 15:57
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
132-64-9	Dibenzofuran	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
84-66-2	Diethyl phthalate	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
131-11-3	Dimethyl phthalate	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
84-74-2	Di-n-butyl phthalate	< SDL	U	0.300	0.002	0.01	0.12	mg/L	150	07/31/12 15:57
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
206-44-0	Fluoranthene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
86-73-7	Fluorene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
118-74-1	Hexachlorobenzene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
87-68-3	Hexachlorobutadiene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
67-72-1	Hexachloroethane	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
78-59-1	Isophorone	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
91-20-3	Naphthalene	< SDL	U	0.600	0.004	0.01	0.12	mg/L	150	07/31/12 15:57
98-95-3	Nitrobenzene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
87-86-5	Pentachlorophenol	< SDL	U	0.750	0.005	0.01	0.12	mg/L	150	07/31/12 15:57
85-01-8	Phenanthrene	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
108-95-2	Phenol	< SDL	U	0.450	0.003	0.01	0.12	mg/L	150	07/31/12 15:57
129-00-0	Pyrene	< SDL	U	0.900	0.006	0.01	0.12	mg/L	150	07/31/12 15:57
110-86-1	Pyridine	< SDL	U	2.25	0.015	0.01	0.12	mg/L	150	07/31/12 15:57
118-79-6	2,4,6-Tribromophenol(surr)	101				19	122	%	150	07/31/12 15:57
13127-88-3	Phenol-d6(surr)	43.8				10	130	%	150	07/31/12 15:57
132-60-8	2-Fluorobiphenyl(surr)	119	S1			30	115	%	150	07/31/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	140	S1			18	137	%	150	07/31/12 15:57
367-12-4	2-Fluorophenol(surr)	66.6				15	115	%	150	07/31/12 15:57
4165-60-0	Nitrobenzene-d5(surr)	137	S1			23	120	%	150	07/31/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T7	Date:	8/7/2012
A&B Job Sample ID:	12071121.09		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	7.21	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	25	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T7
A&B Job Sample ID: 12071121.09

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080643	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/06/2012 13:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080635		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	36.4		1.19	0.66	1.5	60	mg/L	1.8	08/06/12 13:39
TPH-1005-2	>C12-C28[1]	85.5		15.4	0.86	1.5	60	mg/L	17.9	08/06/12 15:52
TPH-1005-4	>C28-C35[1]	24		1.35	0.75	1.5	60	mg/L	1.8	08/06/12 13:39
	Total C6-C35	145.9				----	----	mg/L	17.9	08/06/12 15:52
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	1.8	08/06/12 15:52
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	1.8	08/06/12 15:52

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T9
A&B Job Sample ID: 12071121.10

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080216	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 14:20
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080217		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.013	J	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:48
7440-38-2	Arsenic	0.073		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:48
7440-39-3	Barium	0.118		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:48
7440-41-7	Beryllium	< SDL	D1,U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:48
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:48
7440-47-3	Chromium	0.155		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:48
7439-92-1	Lead	0.026	J	0.008	0.004	0.02	20	mg/L	2	08/02/12 04:48
7440-02-0	Nickel	2.13		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:48
7782-49-2	Selenium	0.067		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:48
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:48

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12073146	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 08:50
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12073138		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 18:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	1058	E,D1	5.00	1	----	----	mg/L	5	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080236		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	41	E	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T9
A&B Job Sample ID: 12071121.10
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 17:10
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
95-63-6	1,2,4-Trimethylbenzene	0.032	J	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 17:10
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
108-67-8	1,3,5-Trimethylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
71-43-2	Benzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:10
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:10
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 17:10
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T9
A&B Job Sample ID: 12071121.10
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
100-41-4	Ethylbenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
108-38-3&106-4	m- & p-Xylenes	0.037	J	0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 17:10
78-93-3	MEK	0.800		0.125	0.005	0.005	0.05	mg/L	25	08/03/12 18:25
75-09-2	Methylene chloride	< SDL	U,V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:10
91-20-3	Naphthalene	0.044	J	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:10
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
95-47-6	o-Xylene	0.038	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:10
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
108-88-3	Toluene	0.069		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:10
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:10
1330-20-7	Xylenes	0.075	J	0.05	0.005	0.015	0.15	mg/L	10	08/02/12 17:10
17060-07-0	1,2-Dichloroethane-d4(surr)	75.7				70	130	%	10	08/02/12 17:10
1868-53-7	Dibromofluoromethane(surr)	89.1				70	130	%	10	08/02/12 17:10
2037-26-5	Toluene-d8(surr)	98.8				70	130	%	10	08/02/12 17:10
460-00-4	p-Bromofluorobenzene(surr)	86.9				70	130	%	10	08/02/12 17:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T9
A&B Job Sample ID: 12071121.10
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.200	0.002	0.01	0.12	mg/L	100	07/31/12 16:18
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.200	0.002	0.01	0.12	mg/L	100	07/31/12 16:18
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
88-06-2	2,4,6-Trichlorophenol	< SDL	U	0.700	0.007	0.01	0.12	mg/L	100	07/31/12 16:18
120-83-2	2,4-Dichlorophenol	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
105-67-9	2,4-Dimethylphenol	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.700	0.007	0.01	0.12	mg/L	100	07/31/12 16:18
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
91-58-7	2-Chloronaphthalene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
95-57-8	2-Chlorophenol	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
91-57-6	2-Methylnaphthalene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
95-48-7	2-Methylphenol	0.813	J	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
88-74-4	2-Nitroaniline	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
88-75-5	2-Nitrophenol	< SDL	U	0.700	0.007	0.01	0.12	mg/L	100	07/31/12 16:18
108-39-4 & 106-	3- & 4-Methylphenols	1.55	J	0.500	0.005	0.02	0.24	mg/L	100	07/31/12 16:18
91-94-1	3,3-Dichlorobenzidine	< SDL	U	1.10	0.011	0.01	0.12	mg/L	100	07/31/12 16:18
99-09-2	3-Nitroaniline	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
59-50-7	4-Chloro-3-methylphenol	0.419	J	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
106-47-8	4-Chloroaniline	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
100-01-6	4-Nitroaniline	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
100-02-7	4-Nitrophenol	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
83-32-9	Acenaphthene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
208-96-8	Acenaphthylene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
62-53-3	Aniline	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
120-12-7	Anthracene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
103-33-3	Azobenzene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
92-87-5	Benzidine	< SDL	U	1.30	0.013	0.01	0.12	mg/L	100	07/31/12 16:18
56-55-3	Benzo(a)anthracene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
50-32-8	Benzo(a)pyrene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T9
A&B Job Sample ID: 12071121.10
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
65-85-0	Benzoic acid	2.88		1.90	0.019	0.01	0.12	mg/L	100	07/31/12 16:18
100-51-6	Benzyl alcohol	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.800	0.008	0.01	0.12	mg/L	100	07/31/12 16:18
85-68-7	Butyl benzyl phthalate	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
86-74-8	Carbazole	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
218-01-9	Chrysene	< SDL	U	0.200	0.002	0.01	0.12	mg/L	100	07/31/12 16:18
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
132-64-9	Dibenzofuran	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
84-66-2	Diethyl phthalate	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
131-11-3	Dimethyl phthalate	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
84-74-2	Di-n-butyl phthalate	< SDL	U	0.200	0.002	0.01	0.12	mg/L	100	07/31/12 16:18
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
206-44-0	Fluoranthene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
86-73-7	Fluorene	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
118-74-1	Hexachlorobenzene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
87-68-3	Hexachlorobutadiene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
67-72-1	Hexachloroethane	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
78-59-1	Isophorone	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
91-20-3	Naphthalene	< SDL	U	0.400	0.004	0.01	0.12	mg/L	100	07/31/12 16:18
98-95-3	Nitrobenzene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
87-86-5	Pentachlorophenol	< SDL	U	0.500	0.005	0.01	0.12	mg/L	100	07/31/12 16:18
85-01-8	Phenanthrene	< SDL	U	0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
108-95-2	Phenol	5.00		0.300	0.003	0.01	0.12	mg/L	100	07/31/12 16:18
129-00-0	Pyrene	< SDL	U	0.600	0.006	0.01	0.12	mg/L	100	07/31/12 16:18
110-86-1	Pyridine	< SDL	U	1.50	0.015	0.01	0.12	mg/L	100	07/31/12 16:18
118-79-6	2,4,6-Tribromophenol(surr)	75.6				19	122	%	100	07/31/12 16:18
13127-88-3	Phenol-d6(surr)	132	S1			10	130	%	100	07/31/12 16:18
132-60-8	2-Fluorobiphenyl(surr)	81.2				30	115	%	100	07/31/12 16:18

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	96.4				18	137	%	100	07/31/12 16:18
367-12-4	2-Fluorophenol(surr)	47.6				15	115	%	100	07/31/12 16:18
4165-60-0	Nitrobenzene-d5(surr)	76.8				23	120	%	100	07/31/12 16:18

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 12:40
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.43	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	25.1	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T9	Date:	8/7/2012
A&B Job Sample ID:	12071121.10		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 12:40
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	17.1		0.601	0.66	1.5	60	mg/L	0.91	08/02/12 13:43
TPH-1005-2	>C12-C28[1]	85.6		7.79	0.86	1.5	60	mg/L	9.06	08/01/12 21:56
TPH-1005-4	>C28-C35[1]	5.91		0.683	0.75	1.5	60	mg/L	0.91	08/02/12 13:43
	Total C6-C35	108.61				----	----	mg/L	9.06	08/01/12 21:56
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	0.91	08/01/12 21:56
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	0.91	08/01/12 21:56

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T8
A&B Job Sample ID: 12071121.11

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Total Recoverable Metals**	Sample Matrix	Water
Analytical Method:	EPA 200.7	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080214	Date Received	07/26/2012 13:53
Prep Method:	EPA 200.7	Date Prepared	08/01/2012 13:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12080213		
Analyst Initial	GG	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-36-0	Antimony	0.039	J,D1	0.008	0.004	0.02	30	mg/L	2	08/02/12 04:55
7440-38-2	Arsenic	0.140		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:55
7440-39-3	Barium	0.220		0.008	0.004	0.02	3.0	mg/L	2	08/02/12 04:55
7440-41-7	Beryllium	< SDL	U	0.008	0.004	0.02	2.0	mg/L	2	08/02/12 04:55
7440-43-9	Cadmium	< SDL	U	0.004	0.002	0.02	15	mg/L	2	08/02/12 04:55
7440-47-3	Chromium	0.256		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:55
7439-92-1	Lead	0.026	J	0.008	0.004	0.02	20	mg/L	2	08/02/12 04:55
7440-02-0	Nickel	2.41		0.008	0.004	0.02	20	mg/L	2	08/02/12 04:55
7782-49-2	Selenium	0.057		0.008	0.004	0.02	30	mg/L	2	08/02/12 04:55
7440-22-4	Silver	< SDL	U	0.002	0.001	0.02	20	mg/L	2	08/02/12 04:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	EPA 245.1	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12073146	Date Received	07/26/2012 13:53
Prep Method:	EPA 245.1	Date Prepared	07/31/2012 08:50
Prepared By:	Ssrinivasan		
Prep Batch ID	PB12073138		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	< SDL	D1,U	0.0006	0.00006	0.0002	0.01	mg/L	10	07/31/12 18:19

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Total Suspended Solids**	Sample Matrix	Water
Analytical Method:	SM 2540D	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12072745	Date Received	07/26/2012 13:53
Prep Method:	SM 2540D	Date Prepared	07/27/2012 15:26
Prepared By:	Ksudha		
Prep Batch ID	PB12072753		
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TSS	822	E,D1	4.00	1	----	----	mg/L	4	07/27/12 15:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Ignitability (Flash Point)**	Sample Matrix	Water
Analytical Method:	SW-846 1010A	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080626	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Ignitability	>150				----	----	°F	1	08/06/12 08:20

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Cyanide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080241	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080236		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Cyanide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 13:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Reactive Sulfide**	Sample Matrix	Water
Analytical Method:	SW-846 7.3	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080237	Date Received	07/26/2012 13:53
Prep Method:	SW-846 7.3	Date Prepared	08/02/2012 08:15
Prepared By:	Srani		
Prep Batch ID	PB12080234		
Analyst Initial	SR	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Reactive Sulfide[1]	< SDL	U	25	25	----	----	mg/L	1	08/02/12 12:30

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T8
A&B Job Sample ID: 12071121.11
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	D2,U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
75-34-3	1,1-Dichloroethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
75-35-4	1,1-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
563-58-6	1,1-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
87-61-6	1,2,3-trichlorobenzene	0.015	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 17:40
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
95-63-6	1,2,4-Trimethylbenzene	0.042	J	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.035	0.0035	0.005	0.05	mg/L	10	08/02/12 17:40
106-93-4	1,2-Dibromoethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
107-06-2	1,2-Dichloroethane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
78-87-5	1,2-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
108-67-8	1,3,5-Trimethylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
142-28-9	1,3-Dichloropropane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
594-20-7	2,2-Dichloropropane	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
95-49-8	2-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
106-43-4	4-Chlorotoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
99-87-6	4-Isopropyltoluene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
71-43-2	Benzene	0.02	J	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
108-86-1	Bromobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
74-97-5	Bromochloromethane	< SDL	U,V1	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
75-27-4	Bromodichloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
75-25-2	Bromoform	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:40
74-83-9	Bromomethane	< SDL	U	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:40
56-23-5	Carbon tetrachloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
108-90-7	Chlorobenzene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
75-00-3	Chloroethane	< SDL	U	0.05	0.005	0.005	0.05	mg/L	10	08/02/12 17:40
67-66-3	Chloroform	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
74-87-3	Chloromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T8
A&B Job Sample ID: 12071121.11

Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260C	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080326	Date Received	07/26/2012 13:53
Prep Method:	SW-846 5030C	Date Prepared	08/01/2012 10:43
Prepared By:	KKrch		
Prep Batch ID	PB12080122		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
74-95-3	Dibromomethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
75-71-8	Dichlorodifluoromethane	< SDL	U,V7	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
100-41-4	Ethylbenzene	0.027	J	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
98-82-8	Isopropylbenzene	< SDL	U	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
108-38-3&106-4	m- & p-Xylenes	0.061	J	0.025	0.0025	0.01	0.1	mg/L	10	08/02/12 17:40
78-93-3	MEK	0.445		0.05	0.005	0.005	0.05	mg/L	10	08/02/12 17:40
75-09-2	Methylene chloride	0.252	V1	0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:40
91-20-3	Naphthalene	0.263		0.03	0.003	0.005	0.05	mg/L	10	08/02/12 17:40
104-51-8	n-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
103-65-1	n-Propylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
95-47-6	o-Xylene	0.068		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
135-98-8	sec-Butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
100-42-5	Styrene	< SDL	U,V7	0.01	0.001	0.005	0.05	mg/L	10	08/02/12 17:40
98-06-6	t-butylbenzene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
127-18-4	Tetrachloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
108-88-3	Toluene	0.203		0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
79-01-6	Trichloroethylene	< SDL	U	0.02	0.002	0.005	0.05	mg/L	10	08/02/12 17:40
75-69-4	Trichlorofluoromethane	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
75-01-4	Vinyl Chloride	< SDL	U	0.015	0.0015	0.005	0.05	mg/L	10	08/02/12 17:40
1330-20-7	Xylenes	0.129	J	0.05	0.005	0.015	0.15	mg/L	10	08/02/12 17:40
17060-07-0	1,2-Dichloroethane-d4(surr)	74.9				70	130	%	10	08/02/12 17:40
1868-53-7	Dibromofluoromethane(surr)	88				70	130	%	10	08/02/12 17:40
2037-26-5	Toluene-d8(surr)	97				70	130	%	10	08/02/12 17:40
460-00-4	p-Bromofluorobenzene(surr)	83.8				70	130	%	10	08/02/12 17:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T8
A&B Job Sample ID: 12071121.11
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D2,U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 16:38
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 16:38
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
95-95-4	2,4,5-Trichlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
88-06-2	2,4,6-Trichlorophenol	1.71		0.350	0.007	0.01	0.12	mg/L	50	07/31/12 16:38
120-83-2	2,4-Dichlorophenol	0.262	J	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
105-67-9	2,4-Dimethylphenol	0.451	J	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
51-28-5	2,4-Dinitrophenol	< SDL	U,V7	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 16:38
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
606-20-2	2,6-Dinitrotoluene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
91-58-7	2-Chloronaphthalene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
95-57-8	2-Chlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
91-57-6	2-Methylnaphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
95-48-7	2-Methylphenol	1.19		0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
88-74-4	2-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
88-75-5	2-Nitrophenol	< SDL	U	0.350	0.007	0.01	0.12	mg/L	50	07/31/12 16:38
108-39-4 & 106-	3- & 4-Methylphenols	2.64		0.250	0.005	0.02	0.24	mg/L	50	07/31/12 16:38
91-94-1	3,3-Dichlorobenzidine	< SDL	U	0.550	0.011	0.01	0.12	mg/L	50	07/31/12 16:38
99-09-2	3-Nitroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
59-50-7	4-Chloro-3-methylphenol	0.235	J	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
106-47-8	4-Chloroaniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
100-01-6	4-Nitroaniline	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
100-02-7	4-Nitrophenol	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
83-32-9	Acenaphthene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
208-96-8	Acenaphthylene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
62-53-3	Aniline	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
120-12-7	Anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
103-33-3	Azobenzene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
92-87-5	Benzidine	< SDL	U	0.650	0.013	0.01	0.12	mg/L	50	07/31/12 16:38
56-55-3	Benzo(a)anthracene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
50-32-8	Benzo(a)pyrene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
205-99-2	Benzo(b)fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
191-24-2	Benzo(g,h,i)perylene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: WW T8
A&B Job Sample ID: 12071121.11
Date: 8/7/2012

Client Name: Effective Environmental
Attn: Clint Lechner
Project Name: 79112 CES / CES Davis Askanese

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
65-85-0	Benzoic acid	2.54		0.950	0.019	0.01	0.12	mg/L	50	07/31/12 16:38
100-51-6	Benzyl alcohol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
111-44-4	Bis(2-chloroethyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
117-81-7	Bis(2-ethylhexyl)phthalate	< SDL	U	0.400	0.008	0.01	0.12	mg/L	50	07/31/12 16:38
85-68-7	Butyl benzyl phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
86-74-8	Carbazole	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
218-01-9	Chrysene	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 16:38
53-70-3	Dibenzo(a,h)anthracene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
132-64-9	Dibenzofuran	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
84-66-2	Diethyl phthalate	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
131-11-3	Dimethyl phthalate	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
84-74-2	Di-n-butyl phthalate	< SDL	U	0.1	0.002	0.01	0.12	mg/L	50	07/31/12 16:38
117-84-0	Di-n-octyl Phthalate	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
206-44-0	Fluoranthene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
86-73-7	Fluorene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
118-74-1	Hexachlorobenzene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
87-68-3	Hexachlorobutadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
77-47-4	Hexachlorocyclopentadiene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
67-72-1	Hexachloroethane	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
78-59-1	Isophorone	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
91-20-3	Naphthalene	< SDL	U	0.200	0.004	0.01	0.12	mg/L	50	07/31/12 16:38
98-95-3	Nitrobenzene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
62-75-9	N-Nitrosodimethylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
621-64-7	N-nitroso-di-n-propylamine	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
86-30-6	N-Nitrosodiphenylamine	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
87-86-5	Pentachlorophenol	< SDL	U	0.250	0.005	0.01	0.12	mg/L	50	07/31/12 16:38
85-01-8	Phenanthrene	< SDL	U	0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
108-95-2	Phenol	3.05		0.150	0.003	0.01	0.12	mg/L	50	07/31/12 16:38
129-00-0	Pyrene	< SDL	U	0.300	0.006	0.01	0.12	mg/L	50	07/31/12 16:38
110-86-1	Pyridine	< SDL	U	0.750	0.015	0.01	0.12	mg/L	50	07/31/12 16:38
118-79-6	2,4,6-Tribromophenol(surr)	60.8				19	122	%	50	07/31/12 16:38
13127-88-3	Phenol-d6(surr)	47.8				10	130	%	50	07/31/12 16:38
132-60-8	2-Fluorobiphenyl(surr)	54.6				30	115	%	50	07/31/12 16:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080139	Date Received	07/26/2012 13:53
Prep Method:	SW-846 3510C	Date Prepared	07/26/2012 11:00
Prepared By:	Msoria		
Prep Batch ID	PB12073150		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	78.4				18	137	%	50	07/31/12 16:38
367-12-4	2-Fluorophenol(surr)	51.4				15	115	%	50	07/31/12 16:38
4165-60-0	Nitrobenzene-d5(surr)	53				23	120	%	50	07/31/12 16:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn: Clint Lechner	
Project Name:	79112 CES / CES Davis Askanese		

Test Description:	**Corrosivity, pH**	Sample Matrix	Water
Analytical Method:	SW-846 9040C	Date Collected	07/26/2012 13:00
QC Batch ID:	Qb12080622	Date Received	07/26/2012 13:53
Prep Method:		Date Prepared	
Prepared By:			
Prep Batch ID			
Analyst Initial	KS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	pH	8.30	H3			----	----	s.u.		08/06/12 10:25
	Temperature when read, °C[1]	25.2	H3			----	----	s.u.		08/06/12 10:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID:	WW T8	Date:	8/7/2012
A&B Job Sample ID:	12071121.11		

Client Name:	Effective Environmental	Attn:	Clint Lechner
Project Name:	79112 CES / CES Davis Askanese		

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	07/26/2012 13:00
QC Batch ID:	qb12080143	Date Received	07/26/2012 13:53
Prep Method:	TX 1005	Date Prepared	08/01/2012 14:00
Prepared By:	AVBembde		
Prep Batch ID	PB12080211		
Analyst Initial	AVB	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12[1]	21.8		0.561	0.66	1.5	60	mg/L	0.85	08/02/12 14:16
TPH-1005-2	>C12-C28[1]	79.4		7.34	0.86	1.5	60	mg/L	8.54	08/01/12 22:37
TPH-1005-4	>C28-C35[1]	2.74		0.638	0.75	1.5	60	mg/L	0.85	08/02/12 14:16
	Total C6-C35	103.94				----	----	mg/L	8.54	08/01/12 22:37
111-85-3	1-Chlorooctane(surr)	N/A	S4			59	122	%	0.85	08/01/12 22:37
3386-33-2	Chlorooctadecane(surr)	N/A	S4			48	123	%	0.85	08/01/12 22:37

Soil results reported on dry weight basis

[1]-Parameter not available for accreditation

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12072744 **Created Date :** 07/27/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.01,02

Sample Preparation : PB12072753 **Prep Method :** SM 2540D **Prep Date :** 07/27/12 15:26 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
TSS		< MDL	mg/L	1	----	1		

QC Type: Duplicate

QC Sample ID: 12071089.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	753.2	761	mg/L	1.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	468.0	93.6	500	468.1	93.6	0	20	72-108	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : Total Suspended Solids **Method : SM 2540D** **Reporting Units : mg/L**

QC Batch ID : Qb12072745 **Created Date :** 07/27/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.03,04,05,06,07,08,09,10,11

Sample Preparation : PB12072753 **Prep Method :** SM 2540D **Prep Date :** 07/27/12 15:26 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
TSS		< MDL	mg/L	1	----	1		

QC Type: Duplicate

QC Sample ID: 12071121.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	4994.0	5296	mg/L	5.9	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	489.7	97.9						72-108	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Metals - Mercury** **Method :** **EPA 245.1** **Reporting Units :** **mg/L**

QC Batch ID : Qb12073146 **Created Date :** 07/31/12 **Created By :** Ssrinivasan

Samples in This QC Batch : 12071121.10,11

Digestion : PB12073138 **Prep Method :** EPA 245.1 **Prep Date :** 07/31/12 08:50 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Mercury	7439-97-6	< MDL	mg/L	1	0.0002	0.00006		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0051	102	0.005	0.0051	102	0.6	35	80-120	

QC Type: MS and MSD
QC Sample ID: 12071242.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.00152	0.005	0.0066	102						80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Metals - Mercury** **Method :** **EPA 245.1** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080138 **Created Date :** 07/31/12 **Created By :** Ssrinivasan

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09

Digestion : PB12080133 **Prep Method :** EPA 245.1 **Prep Date :** 07/31/12 11:00 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Mercury	7439-97-6	< MDL	mg/L	1	0.0002	0.00006		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0053	105	0.005	0.0052	104	0.8	35	80-120	

QC Type: MS and MSD
QC Sample ID: 12071109.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.00026	0.005	0.0054	102						80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080139 **Created Date :** 07/31/12 **Created By :** Whuimei

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10,11

Extraction : PB12073150 **Prep Method :** SW-846 3510C **Prep Date :** 07/26/12 11:00 **Prep By :** Msoria

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,2,4-Trichlorobenzene	120-82-1	< MDL	mg/L	1	0.01	0.002		
1,2-Dichlorobenzene	95-50-1	< MDL	mg/L	1	0.01	0.003		
1,3-Dichlorobenzene	541-73-1	< MDL	mg/L	1	0.01	0.002		
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	1	0.01	0.003		
2,4,5-Trichlorophenol	95-95-4	< MDL	mg/L	1	0.01	0.005		
2,4,6-Trichlorophenol	88-06-2	< MDL	mg/L	1	0.01	0.007		
2,4-Dichlorophenol	120-83-2	< MDL	mg/L	1	0.01	0.005		
2,4-Dimethylphenol	105-67-9	< MDL	mg/L	1	0.01	0.006		
2,4-Dinitrophenol	51-28-5	< MDL	mg/L	1	0.01	0.007		
2,4-Dinitrotoluene	121-14-2	< MDL	mg/L	1	0.01	0.006		
2,6-Dinitrotoluene	606-20-2	< MDL	mg/L	1	0.01	0.006		
2-Chloronaphthalene	91-58-7	< MDL	mg/L	1	0.01	0.005		
2-Chlorophenol	95-57-8	< MDL	mg/L	1	0.01	0.005		
2-Methylnaphthalene	91-57-6	< MDL	mg/L	1	0.01	0.004		
2-Methylphenol	95-48-7	< MDL	mg/L	1	0.01	0.005		
2-Nitroaniline	88-74-4	< MDL	mg/L	1	0.01	0.004		
2-Nitrophenol	88-75-5	< MDL	mg/L	1	0.01	0.007		
3- & 4-Methylphenols	108-39-4 & 106-44-5	< MDL	mg/L	1	0.02	0.005		
3,3-Dichlorobenzidine	91-94-1	< MDL	mg/L	1	0.01	0.011		
3-Nitroaniline	99-09-2	< MDL	mg/L	1	0.01	0.003		
4,6-Dinitro-2-methylphenol	534-52-1	< MDL	mg/L	1	0.01	0.006		
4-Bromophenyl phenyl ethe	101-55-3	< MDL	mg/L	1	0.01	0.006		
4-Chloro-3-methylphenol	59-50-7	< MDL	mg/L	1	0.01	0.004		
4-Chloroaniline	106-47-8	< MDL	mg/L	1	0.01	0.003		
4-Chlorophenyl pheny ether	7005-72-3	< MDL	mg/L	1	0.01	0.006		
4-Nitroaniline	100-01-6	< MDL	mg/L	1	0.01	0.004		
4-Nitrophenol	100-02-7	< MDL	mg/L	1	0.01	0.004		
Acenaphthene	83-32-9	< MDL	mg/L	1	0.01	0.005		
Acenaphthylene	208-96-8	< MDL	mg/L	1	0.01	0.004		
Aniline	62-53-3	< MDL	mg/L	1	0.01	0.003		
Anthracene	120-12-7	< MDL	mg/L	1	0.01	0.005		
Azobenzene	103-33-3	< MDL	mg/L	1	0.01	0.004		
Benzidine	92-87-5	< MDL	mg/L	1	0.01	0.013		
Benzo(a)anthracene	56-55-3	< MDL	mg/L	1	0.01	0.004		
Benzo(a)pyrene	50-32-8	< MDL	mg/L	1	0.01	0.004		
Benzo(b)fluoranthene	205-99-2	< MDL	mg/L	1	0.01	0.004		
Benzo(g,h,i)perylene	191-24-2	< MDL	mg/L	1	0.01	0.005		
Benzo(k)fluoranthene	207-08-9	< MDL	mg/L	1	0.01	0.003		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080139 **Created Date :** 07/31/12 **Created By :** Whuimei

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10,11

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Benzoic acid	65-85-0	< MDL	mg/L	1	0.01	0.019		
Benzyl alcohol	100-51-6	< MDL	mg/L	1	0.01	0.005		
Bis(2-chloroethoxy) methan	111-91-1	< MDL	mg/L	1	0.01	0.005		
Bis(2-chloroethyl) ether	111-44-4	< MDL	mg/L	1	0.01	0.003		
Bis(2-chloroisopropyl) ether	108-60-1	< MDL	mg/L	1	0.01	0.003		
Bis(2-ethylhexyl)phthalate	117-81-7	< MDL	mg/L	1	0.01	0.008		
Butyl benzyl phthalate	85-68-7	< MDL	mg/L	1	0.01	0.005		
Carbazole	86-74-8	< MDL	mg/L	1	0.01	0.006		
Chrysene	218-01-9	< MDL	mg/L	1	0.01	0.002		
Dibenzo(a,h)anthracene	53-70-3	< MDL	mg/L	1	0.01	0.005		
Dibenzofuran	132-64-9	< MDL	mg/L	1	0.01	0.003		
Diethyl phthalate	84-66-2	< MDL	mg/L	1	0.01	0.004		
Dimethyl phthalate	131-11-3	< MDL	mg/L	1	0.01	0.003		
Di-n-butyl phthalate	84-74-2	< MDL	mg/L	1	0.01	0.002		
Di-n-octyl Phthalate	117-84-0	< MDL	mg/L	1	0.01	0.005		
Fluoranthene	206-44-0	< MDL	mg/L	1	0.01	0.004		
Fluorene	86-73-7	< MDL	mg/L	1	0.01	0.006		
Hexachlorobenzene	118-74-1	< MDL	mg/L	1	0.01	0.005		
Hexachlorobutadiene	87-68-3	< MDL	mg/L	1	0.01	0.003		
Hexachlorocyclopentadiene	77-47-4	< MDL	mg/L	1	0.01	0.003		
Hexachloroethane	67-72-1	< MDL	mg/L	1	0.01	0.003		
Indeno(1,2,3-cd)pyrene	193-39-5	< MDL	mg/L	1	0.01	0.005		
Isophorone	78-59-1	< MDL	mg/L	1	0.01	0.006		
Naphthalene	91-20-3	< MDL	mg/L	1	0.01	0.004		
Nitrobenzene	98-95-3	< MDL	mg/L	1	0.01	0.003		
N-Nitrosodimethylamine	62-75-9	< MDL	mg/L	1	0.01	0.003		
N-nitroso-di-n-propylamine	621-64-7	< MDL	mg/L	1	0.01	0.003		
N-Nitrosodiphenylamine	86-30-6	< MDL	mg/L	1	0.01	0.005		
Pentachlorophenol	87-86-5	< MDL	mg/L	1	0.01	0.005		
Phenanthrene	85-01-8	< MDL	mg/L	1	0.01	0.003		
Phenol	108-95-2	< MDL	mg/L	1	0.01	0.003		
Pyrene	129-00-0	< MDL	mg/L	1	0.01	0.006		
Pyridine	110-86-1	< MDL	mg/L	1	0.01	0.015		
2-Fluorophenol(surr)	367-12-4	52.6	%	1				
Phenol-d6(surr)	13127-88-3	48.2	%	1				
Nitrobenzene-d5(surr)	4165-60-0	60.5	%	1				
2-Fluorobiphenyl(surr)	132-60-8	65	%	1				
2,4,6-Tribromophenol(surr)	118-79-6	63	%	1				
p-Terphenyl-d14(surr)	1718-51-0	81.2	%	1				

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080139 **Created Date :** 07/31/12 **Created By :** Whuimei

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10,11

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,4-Trichlorobenzene	0.05	0.027	54	0.05	0.028	56	3.6	35	6-126	
1,2-Dichlorobenzene	0.05	0.025	50	0.05	0.026	52	3.9	35	18-102	
1,3-Dichlorobenzene	0.05	0.025	50	0.05	0.025	50	0	35	18-100	
1,4-Dichlorobenzene	0.05	0.025	50	0.05	0.025	50	0	35	14-109	
2,4,5-Trichlorophenol	0.05	0.03	60	0.05	0.031	62	3.3	35	16-124	
2,4,6-Trichlorophenol	0.05	0.032	64	0.05	0.031	62	3.2	35	19-120	
2,4-Dichlorophenol	0.05	0.03	60	0.05	0.031	62	3.3	35	9-121	
2,4-Dimethylphenol	0.05	0.03	60	0.05	0.03	60	0	35	D-121	
2,4-Dinitrophenol	0.05	0.016	32	0.05	0.016	32	0	35	20-110	
2,4-Dinitrotoluene	0.05	0.03	60	0.05	0.029	58	3.4	35	18-137	
2,6-Dinitrotoluene	0.05	0.032	64	0.05	0.032	64	0	35	26-122	
2-Chloronaphthalene	0.05	0.031	62	0.05	0.031	62	0	35	19-118	
2-Chlorophenol	0.05	0.029	58	0.05	0.029	58	0	35	18-102	
2-Methylnaphthalene	0.05	0.029	58	0.05	0.029	58	0	35	7-124	
2-Methylphenol	0.05	0.028	56	0.05	0.028	56	0	35	26-114	
2-Nitroaniline	0.05	0.032	64	0.05	0.031	62	3.2	35	20-110	
2-Nitrophenol	0.05	0.032	64	0.05	0.032	64	0	35	16-109	
3- & 4-Methylphenols	0.1	0.054	54	0.1	0.054	54	0	35	8-104	
3,3-Dichlorobenzidine	0.08	0.055	68.8	0.08	0.055	68.8	0	35	20-110	
3-Nitroaniline	0.05	0.03	60	0.05	0.029	58	3.4	35	20-110	
4,6-Dinitro-2-methylphenol	0.05	0.027	54	0.05	0.027	54	0	35	8-124	
4-Bromophenyl phenyl ethe	0.05	0.033	66	0.05	0.034	68	3	35	33-113	
4-Chloro-3-methylphenol	0.05	0.03	60	0.05	0.03	60	0	35	17-122	
4-Chloroaniline	0.05	0.031	62	0.05	0.031	62	0	35	20-110	
4-Chlorophenyl pheny ether	0.05	0.031	62	0.05	0.031	62	0	35	27-120	
4-Nitroaniline	0.05	0.029	58	0.05	0.028	56	3.5	35	20-110	
4-Nitrophenol	0.05	0.019	38	0.05	0.018	36	5.4	35	D-112	
Acenaphthene	0.05	0.032	64	0.05	0.031	62	3.2	35	23-131	
Acenaphthylene	0.05	0.032	64	0.05	0.031	62	3.2	35	24-117	
Aniline	0.05	0.031	62	0.05	0.031	62	0	35	28-107	
Anthracene	0.05	0.033	66	0.05	0.032	64	3.1	35	32-118	
Azobenzene	0.05	0.035	70	0.05	0.034	68	2.9	35	20-110	
Benzidine	0.08	0.044	55	0.08	0.047	58.8	6.6	35	D-135	
Benzo(a)anthracene	0.05	0.032	64	0.05	0.032	64	0	35	36-115	
Benzo(a)pyrene	0.05	0.031	62	0.05	0.031	62	0	35	28-116	
Benzo(b)fluoranthene	0.05	0.031	62	0.05	0.03	60	3.3	35	27-121	
Benzo(g,h,i)perylene	0.05	0.035	70	0.05	0.036	72	2.8	35	18-123	
Benzo(k)fluoranthene	0.05	0.03	60	0.05	0.031	62	3.3	35	21-122	
Benzoic acid	0.04	0.0088	22	0.04	0.0085	21.3	3.5	35	D-129	
Benzyl alcohol	0.05	0.028	56	0.05	0.027	54	3.6	35	15-135	
Bis(2-chloroethoxy) methan	0.05	0.032	64	0.05	0.031	62	3.2	35	20-107	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080139 **Created Date :** 07/31/12 **Created By :** Whuimei

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10,11

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Bis(2-chloroethyl) ether	0.05	0.032	64	0.05	0.032	64	0	35	23-95	
Bis(2-chloroisopropyl) ether	0.05	0.033	66	0.05	0.033	66	0	35	17-104	
Bis(2-ethylhexyl)phthalate	0.05	0.033	66	0.05	0.033	66	0	35	9-133	
Butyl benzyl phthalate	0.05	0.032	64	0.05	0.032	64	0	35	14-135	
Carbazole	0.05	0.032	64	0.05	0.032	64	0	35	28-120	
Chrysene	0.05	0.031	62	0.05	0.031	62	0	35	36-117	
Dibenzo(a,h)anthracene	0.05	0.034	68	0.05	0.034	68	0	35	26-118	
Dibenzofuran	0.05	0.032	64	0.05	0.032	64	0	35	22-122	
Diethyl phthalate	0.05	0.031	62	0.05	0.031	62	0	35	25-128	
Dimethyl phthalate	0.05	0.032	64	0.05	0.031	62	3.2	35	27-122	
Di-n-butyl phthalate	0.05	0.032	64	0.05	0.032	64	0	35	25-128	
Di-n-octyl Phthalate	0.05	0.033	66	0.05	0.033	66	0	35	18-128	
Fluoranthene	0.05	0.031	62	0.05	0.032	64	3.2	35	27-131	
Fluorene	0.05	0.032	64	0.05	0.032	64	0	35	26-126	
Hexachlorobenzene	0.05	0.033	66	0.05	0.032	64	3.1	35	30-130	
Hexachlorobutadiene	0.05	0.027	54	0.05	0.027	54	0	35	5-115	
Hexachlorocyclopentadiene	0.05	0.021	42	0.05	0.021	42	0	35	D-95	
Hexachloroethane	0.05	0.026	52	0.05	0.026	52	0	35	14-102	
Indeno(1,2,3-cd)pyrene	0.05	0.036	72	0.05	0.037	74	2.7	35	24-126	
Isophorone	0.05	0.032	64	0.05	0.031	62	3.2	35	15-114	
Naphthalene	0.05	0.03	60	0.05	0.029	58	3.4	35	19-112	
Nitrobenzene	0.05	0.031	62	0.05	0.031	62	0	35	20-109	
N-Nitrosodimethylamine	0.05	0.024	48	0.05	0.024	48	0	35	5-92	
N-nitroso-di-n-propylamine	0.05	0.03	60	0.05	0.03	60	0	35	24-114	
N-Nitrosodiphenylamine	0.05	0.033	66	0.05	0.033	66	0	35	35-135	
Pentachlorophenol	0.05	0.026	52	0.05	0.025	50	3.9	35	D-128	
Phenanthrene	0.05	0.033	66	0.05	0.032	64	3.1	35	31-119	
Phenol	0.05	0.018	36	0.05	0.018	36	0	35	D-111	
Pyrene	0.05	0.032	64	0.05	0.033	66	3.1	35	10-145	
Pyridine	0.05	0.019	38	0.05	0.018	36	5.4	35	D-129	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Method : TX 1005** **Reporting Units : mg/L**

QC Batch ID : qb12080143 **Created Date :** 08/01/12 **Created By :** AVBembde

Samples in This QC Batch : 12071121.01,02,03,04,06,07,08,10,11

Sample Preparation : PB12080211 **Prep Method :** TX 1005 **Prep Date :** 08/01/12 14:00 **Prep By :** AVBembde

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
C6-C12	TPH-1005-1	< MDL	mg/L	1	1.5	0.66		
>C12-C28	TPH-1005-2	< MDL	mg/L	1	1.5	0.86		
>C28-C35	TPH-1005-4	< MDL	mg/L	1	1.5	0.75		
Total C6-C35		< MDL	mg/L	1	----			
1-Chlorooctane(surr)	111-85-3	84.9	%	1				
Chlorooctadecane(surr)	3386-33-2	83.2	%	1				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	30	29.4	98	30	29.2	97.3	0.7	20	75-125	
>C12-C28	30	28.7	95.7	30	30.6	102	6.4	20	75-125	
>C28-C35	30	27.6	92	30	29	96.7	5	20	75-125	

QC Type: MS and MSD
QC Sample ID: 12080047.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	40.9	43.8	106						75-125	
>C12-C28	BRL	40.9	41.8	101						75-125	
>C28-C35	BRL	40.9	39.4	96.3						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Recoverable Metals** **Method :** **EPA 200.7** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080214 **Created Date :** 08/01/12 **Created By :** Ggorane

Samples in This QC Batch : 12071121.11

Digestion : PB12080213 **Prep Method :** EPA 200.7 **Prep Date :** 08/01/12 13:00 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Antimony	7440-36-0	< MDL	mg/L	1	0.02	0.004		
Arsenic	7440-38-2	< MDL	mg/L	1	0.02	0.004		
Barium	7440-39-3	< MDL	mg/L	1	0.02	0.004		
Beryllium	7440-41-7	< MDL	mg/L	1	0.02	0.004		
Cadmium	7440-43-9	< MDL	mg/L	1	0.02	0.002		
Chromium	7440-47-3	< MDL	mg/L	1	0.02	0.004		
Lead	7439-92-1	< MDL	mg/L	1	0.02	0.004		
Nickel	7440-02-0	< MDL	mg/L	1	0.02	0.004		
Selenium	7782-49-2	< MDL	mg/L	1	0.02	0.004		
Silver	7440-22-4	< MDL	mg/L	1	0.02	0.001		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	1.070	107	1	1.074	107	0.4	20	85-115	
Arsenic	1	1.077	108	1	1.085	109	0.8	20	85-115	
Barium	1	1.110	111	1	1.143	114	2.9	20	85-115	
Beryllium	1	1.128	113	1	1.145	114	1.5	20	85-115	
Cadmium	1	1.099	110	1	1.118	112	1.7	20	85-115	
Chromium	1	1.078	108	1	1.092	109	1.3	20	85-115	
Lead	1	1.073	107	1	1.079	108	0.6	20	85-115	
Nickel	1	1.067	107	1	1.074	107	0.6	20	85-115	
Selenium	1	1.079	108	1	1.078	108	0.1	20	85-115	
Silver	1	1.027	103	1	1.016	102	1	20	85-115	

QC Type: MS and MSD
QC Sample ID: 12080025.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	1	0.986	98.6						75-125	
Arsenic	BRL	1	0.993	99.3						75-125	
Barium	BRL	1	1.196	120						75-125	
Beryllium	BRL	1	0.996	99.6						75-125	
Cadmium	BRL	1	0.918	91.8						75-125	
Chromium	BRL	1	0.950	95						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : Total Recoverable Metals **Method : EPA 200.7** **Reporting Units : mg/L**

QC Batch ID : Qb12080214 **Created Date :** 08/01/12 **Created By :** Ggorane

Samples in This QC Batch : 12071121.11

QC Type: MS and MSD
QC Sample ID: 12080025.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Lead	BRL	1	0.983	98.3						75-125	
Nickel	BRL	1	0.953	95.3						75-125	
Selenium	BRL	1	0.989	98.9						75-125	
Silver	BRL	1	0.936	93.6						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Recoverable Metals** **Method :** **EPA 200.7** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080216 **Created Date :** 08/01/12 **Created By :** Ggorane

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10

Digestion : PB12080217 **Prep Method :** EPA 200.7 **Prep Date :** 08/01/12 14:20 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Antimony	7440-36-0	< MDL	mg/L	1	0.02	0.004		
Arsenic	7440-38-2	< MDL	mg/L	1	0.02	0.004		
Barium	7440-39-3	< MDL	mg/L	1	0.02	0.004		
Beryllium	7440-41-7	< MDL	mg/L	1	0.02	0.004		
Cadmium	7440-43-9	< MDL	mg/L	1	0.02	0.002		
Chromium	7440-47-3	< MDL	mg/L	1	0.02	0.004		
Lead	7439-92-1	< MDL	mg/L	1	0.02	0.004		
Nickel	7440-02-0	< MDL	mg/L	1	0.02	0.004		
Selenium	7782-49-2	< MDL	mg/L	1	0.02	0.004		
Silver	7440-22-4	< MDL	mg/L	1	0.02	0.001		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	1.009	101	1	0.971	97.1	3.8	20	85-115	
Arsenic	1	0.996	99.6	1	0.959	95.9	3.7	20	85-115	
Barium	1	0.996	99.6	1	0.952	95.2	4.5	20	85-115	
Beryllium	1	1.010	101	1	0.958	95.8	5.2	20	85-115	
Cadmium	1	1.002	100	1	0.964	96.4	3.9	20	85-115	
Chromium	1	0.968	96.8	1	0.927	92.7	4.2	20	85-115	
Lead	1	0.992	99.2	1	0.948	94.8	4.5	20	85-115	
Nickel	1	0.996	99.6	1	0.954	95.4	4.3	20	85-115	
Selenium	1	1.015	102	1	0.981	98.1	3.4	20	85-115	
Silver	1	0.984	98.4	1	0.940	94	4.5	20	85-115	

QC Type: MS and MSD
QC Sample ID: 12071121.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	0.1102	2	1.906	89.8						75-125	
Arsenic	0.1103	2	2.096	99.3						75-125	
Barium	1.5246	2	2.972	72.4						75-125	M9
Beryllium	BRL	2	1.736	86.8						75-125	
Cadmium	0.0384	2	1.849	90.6						75-125	
Chromium	0.5628	2	2.161	79.9						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Total Recoverable Metals** **Method :** **EPA 200.7** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080216 **Created Date :** 08/01/12 **Created By :** Ggorane

Samples in This QC Batch : 12071121.01,02,03,04,05,06,07,08,09,10

QC Type: MS and MSD
QC Sample ID: 12071121.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Lead	1.6366	2	3.246	80.5						75-125	
Nickel	1.9803	2	3.569	79.5						75-125	
Selenium	0.0626	2	2.279	111						75-125	
Silver	BRL	2	1.820	91						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : Corrosivity, pH **Method : SW-846 9040C** **Reporting Units : s.u.**

QC Batch ID : Qb12080224 **Created Date :** 08/02/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: Duplicate

QC Sample ID: 12071121.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	8.99	8.97	s.u.	0.2	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.05							3.95-4.05	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb12080225 **Created Date :** 08/02/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: Duplicate

QC Sample ID: 12071281.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	84	101	83	84	101	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Reactive Sulfide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080237 **Created Date :** 08/02/12 **Created By :** Srani

Samples in This QC Batch : 12071121.01,03,04,05,06,08,10,11

Sample Preparation :	PB12080234	**Prep Method :**	SW-846 7.3	**Prep Date :**	08/02/12 08:15	**Prep By :**	Srani
	PB12080632		SW-846 7.3		08/02/12 08:20		Srani

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Reactive Sulfide		< MDL	mg/L	1	----	25		

QC Type: Duplicate

QC Sample ID: 12071121.08

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	0.4799999	0.4799999	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	608.16	60.8	1000	608.16	60.8		20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080241 **Created Date :** 08/02/12 **Created By :** Srani

Samples in This QC Batch : 12071121.01,02,03,04,05,06,08,10,11

Sample Preparation :	PB12073135	**Prep Method :**	SW-846 7.3	**Prep Date :**	07/30/12 08:40	**Prep By :**	Srani
	PB12080236		SW-846 7.3		08/02/12 08:15		Srani

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Reactive Cyanide		< MDL	mg/L	1	----	25		

QC Type: Duplicate

QC Sample ID: 12071121.08

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	11.5	46	25	11.3	45.3	1.9	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080304 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.01,02,03,04

Sample Preparation : PB12080122 **Prep Method :** SW-846 5030C **Prep Date :** 08/01/12 10:43 **Prep By :** KKrch

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1,1,2-Tetrachloroethane	630-20-6	< MDL	mg/L	1	0.005	0.0015		
1,1,1-Trichloroethane	71-55-6	< MDL	mg/L	1	0.005	0.002		
1,1,2,2-Tetrachloroethane	79-34-5	< MDL	mg/L	1	0.005	0.002		
1,1,2-Trichloroethane	79-00-5	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloroethane	75-34-3	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloroethylene	75-35-4	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloropropene	563-58-6	< MDL	mg/L	1	0.005	0.002		
1,2,3-trichlorobenzene	87-61-6	< MDL	mg/L	1	0.005	0.0015		
1,2,3-Trichloropropane	96-18-4	< MDL	mg/L	1	0.005	0.005		
1,2,4-Trichlorobenzene	120-82-1	< MDL	mg/L	1	0.005	0.0015		
1,2,4-Trimethylbenzene	95-63-6	< MDL	mg/L	1	0.005	0.001		
1,2-Dibromo-3-chloropropa	96-12-8	< MDL	mg/L	1	0.005	0.0035		
1,2-Dibromoethane	106-93-4	< MDL	mg/L	1	0.005	0.002		
1,2-Dichlorobenzene	95-50-1	< MDL	mg/L	1	0.005	0.002		
1,2-Dichloroethane	107-06-2	< MDL	mg/L	1	0.005	0.001		
1,2-Dichloropropane	78-87-5	< MDL	mg/L	1	0.005	0.0015		
1,3,5-Trimethylbenzene	108-67-8	< MDL	mg/L	1	0.005	0.0015		
1,3-Dichlorobenzene	541-73-1	< MDL	mg/L	1	0.005	0.0015		
1,3-Dichloropropane	142-28-9	< MDL	mg/L	1	0.005	0.0015		
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	1	0.005	0.001		
2,2-Dichloropropane	594-20-7	< MDL	mg/L	1	0.005	0.001		
2-Chlorotoluene	95-49-8	< MDL	mg/L	1	0.005	0.0015		
4-Chlorotoluene	106-43-4	< MDL	mg/L	1	0.005	0.0015		
4-Isopropyltoluene	99-87-6	< MDL	mg/L	1	0.005	0.0015		
Benzene	71-43-2	< MDL	mg/L	1	0.005	0.0015		
Bromobenzene	108-86-1	< MDL	mg/L	1	0.005	0.002		
Bromochloromethane	74-97-5	< MDL	mg/L	1	0.005	0.0015		
Bromodichloromethane	75-27-4	< MDL	mg/L	1	0.005	0.002		
Bromoform	75-25-2	< MDL	mg/L	1	0.005	0.003		
Bromomethane	74-83-9	< MDL	mg/L	1	0.005	0.003		
Carbon tetrachloride	56-23-5	< MDL	mg/L	1	0.005	0.0015		
Chlorobenzene	108-90-7	< MDL	mg/L	1	0.005	0.002		
Chloroethane	75-00-3	< MDL	mg/L	1	0.005	0.005		
Chloroform	67-66-3	< MDL	mg/L	1	0.005	0.0015		
Chloromethane	74-87-3	< MDL	mg/L	1	0.005	0.0015		
cis-1,2-Dichloroethylene	156-59-2	< MDL	mg/L	1	0.005	0.001		
cis-1,3-Dichloropropene	10061-01-5	< MDL	mg/L	1	0.005	0.0015		
Dibromochloromethane	124-48-1	< MDL	mg/L	1	0.005	0.002		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080304 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	< MDL	mg/L	1	0.005	0.0015		
Dichlorodifluoromethane	75-71-8	< MDL	mg/L	1	0.005	0.0015		
Ethylbenzene	100-41-4	< MDL	mg/L	1	0.005	0.002		
Isopropylbenzene	98-82-8	< MDL	mg/L	1	0.005	0.001		
m- & p-Xylenes	108-38-3&106-42-3	< MDL	mg/L	1	0.01	0.0025		
MEK	78-93-3	< MDL	mg/L	1	0.005	0.005		
Methylene chloride	75-09-2	< MDL	mg/L	1	0.005	0.003		
Naphthalene	91-20-3	< MDL	mg/L	1	0.005	0.003		
n-Butylbenzene	104-51-8	< MDL	mg/L	1	0.005	0.0015		
n-Propylbenzene	103-65-1	< MDL	mg/L	1	0.005	0.0015		
o-Xylene	95-47-6	< MDL	mg/L	1	0.005	0.0015		
sec-Butylbenzene	135-98-8	< MDL	mg/L	1	0.005	0.0015		
Styrene	100-42-5	< MDL	mg/L	1	0.005	0.001		
t-butylbenzene	98-06-6	< MDL	mg/L	1	0.005	0.0015		
Tetrachloroethylene	127-18-4	< MDL	mg/L	1	0.005	0.0015		
Toluene	108-88-3	< MDL	mg/L	1	0.005	0.0015		
trans-1,2-Dichloroethylene	156-60-5	< MDL	mg/L	1	0.005	0.0015		
trans-1,3-Dichloropropene	10061-02-6	< MDL	mg/L	1	0.005	0.002		
Trichloroethylene	79-01-6	< MDL	mg/L	1	0.005	0.002		
Trichlorofluoromethane	75-69-4	< MDL	mg/L	1	0.005	0.0015		
Vinyl Chloride	75-01-4	< MDL	mg/L	1	0.005	0.0015		
Xylenes	1330-20-7	< MDL	mg/L	1	0.015	0.005		
Dibromofluoromethane(surr	1868-53-7	110	%	1				
1,2-Dichloroethane-d4(surr	17060-07-0	109	%	1				
Toluene-d8(surr)	2037-26-5	111	%	1				
p-Bromofluorobenzene(surr	460-00-4	107	%	1				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.022	110						86.6-113	
1,1,1-Trichloroethane	0.02	0.022	110						76.9-125	
1,1,2,2-Tetrachloroethane	0.02	0.02	100						74.4-125	
1,1,2-Trichloroethane	0.02	0.021	105						82.4-117	
1,1-Dichloroethane	0.02	0.022	110						74.5-125	
1,1-Dichloroethylene	0.02	0.022	110						75.4-124	
1,1-Dichloropropene	0.02	0.022	110						76.9-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080304 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,3-trichlorobenzene	0.02	0.023	115						70.8-125	
1,2,3-Trichloropropane	0.02	0.021	105						69.6-126	
1,2,4-Trichlorobenzene	0.02	0.023	115						74.8-121	
1,2,4-Trimethylbenzene	0.02	0.024	120						80.4-114	
1,2-Dibromo-3-chloropropa	0.02	0.02	100						61.7-140	
1,2-Dibromoethane	0.02	0.021	105						80.6-118	
1,2-Dichlorobenzene	0.02	0.024	120						82.6-113	L1
1,2-Dichloroethane	0.02	0.022	110						72.8-126	
1,2-Dichloropropane	0.02	0.022	110						82.4-120	
1,3,5-Trimethylbenzene	0.02	0.022	120						81.3-114	L1
1,3-Dichlorobenzene	0.02	0.024	120						83.4-113	L1
1,3-Dichloropropane	0.02	0.02	100						79.8-115	
1,4-Dichlorobenzene	0.02	0.023	115						82.6-113	L1
2,2-Dichloropropane	0.02	0.021	105						69.4-131	
2-Chlorotoluene	0.02	0.024	120						77.8-118	L1
4-Chlorotoluene	0.02	0.024	120						78.8-117	L1
4-Isopropyltoluene	0.02	0.023	115						80.9-114	L1
Benzene	0.02	0.022	110						84.1-118	
Bromobenzene	0.02	0.024	120						82.8-116	L1
Bromochloromethane	0.02	0.02	100						70.7-131	
Bromodichloromethane	0.02	0.022	110						83.1-119	
Bromoform	0.02	0.021	105						70.3-136	
Bromomethane	0.02	0.019	95						59-134	
Carbon tetrachloride	0.02	0.023	115						74.6-129	
Chlorobenzene	0.02	0.023	115						87.8-110	L1
Chloroethane	0.02	0.02	100						73.7-124	
Chloroform	0.02	0.022	110						76.4-124	
Chloromethane	0.02	0.021	105						59.4-138	
cis-1,2-Dichloroethylene	0.02	0.022	110						74.3-124	
cis-1,3-Dichloropropene	0.02	0.021	105						84.6-117	
Dibromochloromethane	0.02	0.022	110						81.6-118	
Dibromomethane	0.02	0.02	100						75.8-126	
Dichlorodifluoromethane	0.02	0.022	110						44.4-149	
Ethylbenzene	0.02	0.023	115						82.8-114	L1
Isopropylbenzene	0.02	0.023	115						86.8-113	L1
m- & p-Xylenes	0.04	0.045	113						76.9-122	
MEK	0.02	0.019	95						44.9-154	
Methylene chloride	0.02	0.02	100						67.3-130	
Naphthalene	0.02	0.02	100						55.8-136	
n-Butylbenzene	0.02	0.023	115						74.1-120	
n-Propylbenzene	0.02	0.024	120						78.9-115	L1

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080304 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
o-Xylene	0.02	0.023	115						86-111	L1
sec-Butylbenzene	0.02	0.024	120						80.2-115	L1
Styrene	0.02	0.022	110						86.7-111	
t-butylbenzene	0.02	0.024	120						80.7-116	L1
Tetrachloroethylene	0.02	0.023	115						77.9-126	
Toluene	0.02	0.023	115						85.9-110	L1
trans-1,2-Dichloroethylene	0.02	0.022	110						73.7-124	
trans-1,3-Dichloropropene	0.02	0.021	105						83-114	
Trichloroethylene	0.02	0.022	110						85.4-114	
Trichlorofluoromethane	0.02	0.022	110						74.3-126	
Vinyl Chloride	0.02	0.024	120						68-129	
Xylenes	0.06	0.068	113						81.2-117	

QC Type: MS and MSD
QC Sample ID: 12071121.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	2.5	3.15	126	2.5	3.32	133	5.3	35	72-139	
1,1,1-Trichloroethane	BRL	2.5	3.2	128	2.5	3.6	144	11.8	35	82-137	M8
1,1,2,2-Tetrachloroethane	BRL	2.5	8.29	332	2.5	11.8	472	34.9	35	55-149	M8
1,1,2-Trichloroethane	BRL	2.5	11.4	456	2.5	20.7	828	57.9	35	68-139	M8, R3
1,1-Dichloroethane	BRL	2.5	3.04	122	2.5	3.35	134	9.7	35	78-134	
1,1-Dichloroethylene	BRL	2.5	3.09	124	2.5	3.54	142	13.6	35	65-141	M8
1,1-Dichloropropene	BRL	2.5	3.01	120	2.5	3.34	134	10.4	35	79-136	
1,2,3-trichlorobenzene	BRL	2.5	2.7	108	2.5	2.9	116	7.1	35	54-144	
1,2,3-Trichloropropane	BRL	2.5	4.17	167	2.5	5.25	210	22.9	35	58-156	M8
1,2,4-Trichlorobenzene	BRL	2.5	2.6	104	2.5	2.53	101	2.7	35	69-127	
1,2,4-Trimethylbenzene	0.816	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	80-131	M6
1,2-Dibromo-3-chloropropa	BRL	2.5	4.19	168	2.5	5.04	202	18.4	35	61-145	M8
1,2-Dibromoethane	BRL	2.5	3.22	129	2.5	3.73	149	14.7	35	68-140	M8
1,2-Dichlorobenzene	BRL	2.5	3.32	133	2.5	3.23	129	2.8	35	70-138	
1,2-Dichloroethane	BRL	2.5	2.7	108	2.5	2.89	116	6.8	35	67-152	
1,2-Dichloropropane	BRL	2.5	2.75	110	2.5	2.92	117	6	35	79-135	
1,3,5-Trimethylbenzene	0.247	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	79-133	M6
1,3-Dichlorobenzene	BRL	2.5	3.31	132	2.5	3.31	132	0.0	35	79-128	M8
1,3-Dichloropropane	BRL	2.5	2.3	92	2.5	2.35	94	2.2	35	70-147	
1,4-Dichlorobenzene	BRL	2.5	3.46	138	2.5	3.39	136	2	35	76-127	M8
2,2-Dichloropropane	BRL	2.5	3.08	123	2.5	3.43	137	10.8	35	60-129	M8
2-Chlorotoluene	BRL	2.5	4.26	170	2.5	4.61	184	7.9	35	83-130	M8
4-Chlorotoluene	BRL	2.5	5.24	210	2.5	6.24	250	17.4	35	82-129	M8

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080304 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.01,02,03,04

QC Type: MS and MSD
QC Sample ID: 12071121.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4-Isopropyltoluene	BRL	2.5	7.92	317	2.5	10.2	408	25.2	35	78-129	M8
Benzene	0.362	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	73-129	M6
Bromobenzene	BRL	2.5	4.26	170	2.5	4.57	183	7	35	76-132	M8
Bromochloromethane	BRL	2.5	2.74	110	2.5	3.01	120	9.4	35	76-135	
Bromodichloromethane	BRL	2.5	2.78	111	2.5	2.83	113	1.8	35	80-136	
Bromoform	BRL	2.5	3.12	125	2.5	3.38	135	8	35	65-139	
Bromomethane	BRL	2.5	4.11	164	2.5	4.34	174	5.4	35	65-150	M8
Carbon tetrachloride	BRL	2.5	3.15	126	2.5	3.39	136	7.3	35	70-136	
Chlorobenzene	BRL	2.5	3.29	132	2.5	3.55	142	7.6	35	69-123	M8
Chloroethane	BRL	2.5	1.98	79.2	2.5	2.15	86	8.2	35	74-145	
Chloroform	BRL	2.5	2.96	118	2.5	3.43	137	14.7	35	78-132	M8
Chloromethane	BRL	2.5	3.16	126	2.5	3.62	145	13.6	35	69-139	M8
cis-1,2-Dichloroethylene	BRL	2.5	3.06	122	2.5	3.37	135	9.6	35	71-134	M8
cis-1,3-Dichloropropene	BRL	2.5	2.66	106	2.5	2.71	108	1.9	35	74-128	
Dibromochloromethane	BRL	2.5	3.19	128	2.5	3.52	141	9.8	35	67-141	
Dibromomethane	BRL	2.5	2.61	104	2.5	2.8	112	7	35	75-135	
Dichlorodifluoromethane	BRL	2.5	3.32	133	2.5	3.88	155	15.6	35	62-146	M8
Ethylbenzene	1.44	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	80-132	M6
Isopropylbenzene	0.635	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	78-137	M6
m- & p-Xylenes	0.327	5	N/C	N/C	2.5	N/C	N/C	N/C	35	74-127	M6
MEK	4.64	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	52-148	M6
Methylene chloride	BRL	2.5	2.74	110	2.5	3.09	124	12	35	68-131	
Naphthalene	1.12	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	61-116	M6
n-Butylbenzene	BRL	2.5	7.73	309	2.5	10	400	25.6	35	73-140	M8
n-Propylbenzene	2.51	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	75-127	M6
o-Xylene	2.92	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	74-126	M6
sec-Butylbenzene	BRL	2.5	5.58	223	2.5	6.83	273	20.1	35	75-129	M8
Styrene	BRL	2.5	4.7	188	2.5	6.28	251	28.8	35	77-123	M8
t-butylbenzene	BRL	2.5	3.9	156	2.5	3.96	158	1.5	35	75-126	M8
Tetrachloroethylene	2.6	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	70-130	M6
Toluene	2.75	2.5	N/C	N/C	2.5	N/C	N/C	N/C	35	72-121	M6
trans-1,2-Dichloroethylene	BRL	2.5	3.14	126	2.5	3.57	143	12.8	35	73-138	M8
trans-1,3-Dichloropropene	BRL	2.5	3.09	124	2.5	3.46	138	11.3	35	70-133	M8
Trichloroethylene	BRL	2.5	3	120	2.5	3.31	132	9.8	35	6-138	
Trichlorofluoromethane	BRL	2.5	3.28	131	2.5	3.88	155	16.8	35	67-148	M8
Vinyl Chloride	BRL	2.5	3.45	138	2.5	4.14	166	18.2	35	80-122	M8
Xylenes	9.27	7.5	N/C	N/C	7.5	N/C	N/C	N/C	35	73-127	M6

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080326 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

Sample Preparation : PB12080122 **Prep Method :** SW-846 5030C **Prep Date :** 08/01/12 10:43 **Prep By :** KKrch

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1,1,2-Tetrachloroethane	630-20-6	< MDL	mg/L	1	0.005	0.0015		
1,1,1-Trichloroethane	71-55-6	< MDL	mg/L	1	0.005	0.002		
1,1,2,2-Tetrachloroethane	79-34-5	< MDL	mg/L	1	0.005	0.002		
1,1,2-Trichloroethane	79-00-5	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloroethane	75-34-3	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloroethylene	75-35-4	< MDL	mg/L	1	0.005	0.0015		
1,1-Dichloropropene	563-58-6	< MDL	mg/L	1	0.005	0.002		
1,2,3-trichlorobenzene	87-61-6	< MDL	mg/L	1	0.005	0.0015		
1,2,3-Trichloropropane	96-18-4	< MDL	mg/L	1	0.005	0.005		
1,2,4-Trichlorobenzene	120-82-1	< MDL	mg/L	1	0.005	0.0015		
1,2,4-Trimethylbenzene	95-63-6	< MDL	mg/L	1	0.005	0.001		
1,2-Dibromo-3-chloropropa	96-12-8	< MDL	mg/L	1	0.005	0.0035		
1,2-Dibromoethane	106-93-4	< MDL	mg/L	1	0.005	0.002		
1,2-Dichlorobenzene	95-50-1	< MDL	mg/L	1	0.005	0.002		
1,2-Dichloroethane	107-06-2	< MDL	mg/L	1	0.005	0.001		
1,2-Dichloropropane	78-87-5	< MDL	mg/L	1	0.005	0.0015		
1,3,5-Trimethylbenzene	108-67-8	< MDL	mg/L	1	0.005	0.0015		
1,3-Dichlorobenzene	541-73-1	< MDL	mg/L	1	0.005	0.0015		
1,3-Dichloropropane	142-28-9	< MDL	mg/L	1	0.005	0.0015		
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	1	0.005	0.001		
2,2-Dichloropropane	594-20-7	< MDL	mg/L	1	0.005	0.001		
2-Chlorotoluene	95-49-8	< MDL	mg/L	1	0.005	0.0015		
4-Chlorotoluene	106-43-4	< MDL	mg/L	1	0.005	0.0015		
4-Isopropyltoluene	99-87-6	< MDL	mg/L	1	0.005	0.0015		
Benzene	71-43-2	< MDL	mg/L	1	0.005	0.0015		
Bromobenzene	108-86-1	< MDL	mg/L	1	0.005	0.002		
Bromochloromethane	74-97-5	< MDL	mg/L	1	0.005	0.0015		
Bromodichloromethane	75-27-4	< MDL	mg/L	1	0.005	0.002		
Bromoform	75-25-2	< MDL	mg/L	1	0.005	0.003		
Bromomethane	74-83-9	< MDL	mg/L	1	0.005	0.003		
Carbon tetrachloride	56-23-5	< MDL	mg/L	1	0.005	0.0015		
Chlorobenzene	108-90-7	< MDL	mg/L	1	0.005	0.002		
Chloroethane	75-00-3	< MDL	mg/L	1	0.005	0.005		
Chloroform	67-66-3	< MDL	mg/L	1	0.005	0.0015		
Chloromethane	74-87-3	< MDL	mg/L	1	0.005	0.0015		
cis-1,2-Dichloroethylene	156-59-2	< MDL	mg/L	1	0.005	0.001		
cis-1,3-Dichloropropene	10061-01-5	< MDL	mg/L	1	0.005	0.0015		
Dibromochloromethane	124-48-1	< MDL	mg/L	1	0.005	0.002		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080326 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	< MDL	mg/L	1	0.005	0.0015		
Dichlorodifluoromethane	75-71-8	< MDL	mg/L	1	0.005	0.0015		
Ethylbenzene	100-41-4	< MDL	mg/L	1	0.005	0.002		
Isopropylbenzene	98-82-8	< MDL	mg/L	1	0.005	0.001		
m- & p-Xylenes	108-38-3&106-42-3	< MDL	mg/L	1	0.01	0.0025		
MEK	78-93-3	< MDL	mg/L	1	0.005	0.005		
Methylene chloride	75-09-2	< MDL	mg/L	1	0.005	0.003		
Naphthalene	91-20-3	< MDL	mg/L	1	0.005	0.003		
n-Butylbenzene	104-51-8	< MDL	mg/L	1	0.005	0.0015		
n-Propylbenzene	103-65-1	< MDL	mg/L	1	0.005	0.0015		
o-Xylene	95-47-6	< MDL	mg/L	1	0.005	0.0015		
sec-Butylbenzene	135-98-8	< MDL	mg/L	1	0.005	0.0015		
Styrene	100-42-5	< MDL	mg/L	1	0.005	0.001		
t-butylbenzene	98-06-6	< MDL	mg/L	1	0.005	0.0015		
Tetrachloroethylene	127-18-4	< MDL	mg/L	1	0.005	0.0015		
Toluene	108-88-3	< MDL	mg/L	1	0.005	0.0015		
trans-1,2-Dichloroethylene	156-60-5	< MDL	mg/L	1	0.005	0.0015		
trans-1,3-Dichloropropene	10061-02-6	< MDL	mg/L	1	0.005	0.002		
Trichloroethylene	79-01-6	< MDL	mg/L	1	0.005	0.002		
Trichlorofluoromethane	75-69-4	< MDL	mg/L	1	0.005	0.0015		
Vinyl Chloride	75-01-4	< MDL	mg/L	1	0.005	0.0015		
Xylenes	1330-20-7	< MDL	mg/L	1	0.015	0.005		
Dibromofluoromethane(surr	1868-53-7	106	%	1				
1,2-Dichloroethane-d4(surr	17060-07-0	97.3	%	1				
Toluene-d8(surr)	2037-26-5	97.8	%	1				
p-Bromofluorobenzene(surr	460-00-4	84.9	%	1				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.018	90						86.6-113	
1,1,1-Trichloroethane	0.02	0.021	105						76.9-125	
1,1,2,2-Tetrachloroethane	0.02	0.019	95						74.4-125	
1,1,2-Trichloroethane	0.02	0.019	95						82.4-117	
1,1-Dichloroethane	0.02	0.021	105						74.5-125	
1,1-Dichloroethylene	0.02	0.02	100						75.4-124	
1,1-Dichloropropene	0.02	0.021	105						76.9-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080326 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,3-trichlorobenzene	0.02	0.02	100						70.8-125	
1,2,3-Trichloropropane	0.02	0.021	105						69.6-126	
1,2,4-Trichlorobenzene	0.02	0.02	100						74.8-121	
1,2,4-Trimethylbenzene	0.02	0.02	100						80.4-114	
1,2-Dibromo-3-chloropropa	0.02	0.021	105						61.7-140	
1,2-Dibromoethane	0.02	0.019	95						80.6-118	
1,2-Dichlorobenzene	0.02	0.019	95						82.6-113	
1,2-Dichloroethane	0.02	0.018	90						72.8-126	
1,2-Dichloropropane	0.02	0.018	90						82.4-120	
1,3,5-Trimethylbenzene	0.02	0.019	95						81.3-114	
1,3-Dichlorobenzene	0.02	0.019	95						83.4-113	
1,3-Dichloropropane	0.02	0.018	90						79.8-115	
1,4-Dichlorobenzene	0.02	0.019	95						82.6-113	
2,2-Dichloropropane	0.02	0.021	105						69.4-131	
2-Chlorotoluene	0.02	0.019	95						77.8-118	
4-Chlorotoluene	0.02	0.018	90						78.8-117	
4-Isopropyltoluene	0.02	0.02	100						80.9-114	
Benzene	0.02	0.018	90						84.1-118	
Bromobenzene	0.02	0.019	95						82.8-116	
Bromochloromethane	0.02	0.023	115						70.7-131	
Bromodichloromethane	0.02	0.018	90						83.1-119	
Bromoform	0.02	0.019	95						70.3-136	
Bromomethane	0.02	0.02	100						59-134	
Carbon tetrachloride	0.02	0.018	90						74.6-129	
Chlorobenzene	0.02	0.018	90						87.8-110	
Chloroethane	0.02	0.019	95						73.7-124	
Chloroform	0.02	0.022	110						76.4-124	
Chloromethane	0.02	0.02	100						59.4-138	
cis-1,2-Dichloroethylene	0.02	0.022	110						74.3-124	
cis-1,3-Dichloropropene	0.02	0.02	100						84.6-117	
Dibromochloromethane	0.02	0.019	95						81.6-118	
Dibromomethane	0.02	0.019	95						75.8-126	
Dichlorodifluoromethane	0.02	0.019	95						44.4-149	
Ethylbenzene	0.02	0.018	90						82.8-114	
Isopropylbenzene	0.02	0.018	90						86.8-113	
m- & p-Xylenes	0.04	0.035	87.5						76.9-122	
MEK	0.02	0.024	120						44.9-154	
Methylene chloride	0.02	0.022	110						67.3-130	
Naphthalene	0.02	0.021	105						55.8-136	
n-Butylbenzene	0.02	0.019	95						74.1-120	
n-Propylbenzene	0.02	0.018	90						78.9-115	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080326 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
o-Xylene	0.02	0.018	90						86-111	
sec-Butylbenzene	0.02	0.019	95						80.2-115	
Styrene	0.02	0.018	90						86.7-111	
t-butylbenzene	0.02	0.019	95						80.7-116	
Tetrachloroethylene	0.02	0.018	90						77.9-126	
Toluene	0.02	0.018	90						85.9-110	
trans-1,2-Dichloroethylene	0.02	0.02	100						73.7-124	
trans-1,3-Dichloropropene	0.02	0.019	95						83-114	
Trichloroethylene	0.02	0.018	90						85.4-114	
Trichlorofluoromethane	0.02	0.019	95						74.3-126	
Vinyl Chloride	0.02	0.02	100						68-129	
Xylenes	0.06	0.053	88.3						81.2-117	

QC Type: MS and MSD
QC Sample ID: 12071206.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.015	75	0.02	0.016	80	6.4	35	72-139	
1,1,1-Trichloroethane	BRL	0.02	0.019	95	0.02	0.02	100	5.1	35	82-137	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.016	80	0.02	0.017	85	6.1	35	55-149	
1,1,2-Trichloroethane	BRL	0.02	0.018	90	0.02	0.019	95	5.4	35	68-139	
1,1-Dichloroethane	BRL	0.02	0.022	110	0.02	0.023	115	4.4	35	78-134	
1,1-Dichloroethylene	BRL	0.02	0.021	105	0.02	0.023	115	9.1	35	65-141	
1,1-Dichloropropene	BRL	0.02	0.021	105	0.02	0.022	110	4.6	35	79-136	
1,2,3-trichlorobenzene	BRL	0.02	0.02	100	0.02	0.022	110	9.5	35	54-144	
1,2,3-Trichloropropane	BRL	0.02	0.024	120	0.02	0.024	120	0	35	58-156	
1,2,4-Trichlorobenzene	BRL	0.02	0.017	85	0.02	0.02	100	16.2	35	69-127	
1,2,4-Trimethylbenzene	BRL	0.02	0.018	90	0.02	0.018	90	0	35	80-131	
1,2-Dibromo-3-chloropropa	BRL	0.02	0.031	155	0.02	0.031	155	0	35	61-145	M1
1,2-Dibromoethane	BRL	0.02	0.019	95	0.02	0.02	100	5.1	35	68-140	
1,2-Dichlorobenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	70-138	
1,2-Dichloroethane	BRL	0.02	0.016	80	0.02	0.017	85	6.1	35	67-152	
1,2-Dichloropropane	BRL	0.02	0.019	95	0.02	0.019	95	0	35	79-135	
1,3,5-Trimethylbenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	79-133	
1,3-Dichlorobenzene	BRL	0.02	0.018	90	0.02	0.019	95	5.4	35	79-128	
1,3-Dichloropropane	BRL	0.02	0.019	95	0.02	0.02	100	5.1	35	70-147	
1,4-Dichlorobenzene	BRL	0.02	0.017	85	0.02	0.018	90	5.7	35	76-127	
2,2-Dichloropropane	BRL	0.02	0.015	75	0.02	0.016	80	6.4	35	60-129	
2-Chlorotoluene	BRL	0.02	0.018	90	0.02	0.019	95	5.4	35	83-130	
4-Chlorotoluene	BRL	0.02	0.016	80	0.02	0.019	95	17.1	35	82-129	M2

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080326 **Created Date :** 08/02/12 **Created By :** KKrch

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: MS and MSD
QC Sample ID: 12071206.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4-Isopropyltoluene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	78-129	
Benzene	0.0062	0.02	0.023	84	0.02	0.024	89	5.8	35	73-129	
Bromobenzene	BRL	0.02	0.02	100	0.02	0.02	100	0	35	76-132	
Bromochloromethane	BRL	0.02	0.025	125	0.02	0.026	130	3.9	35	76-135	
Bromodichloromethane	BRL	0.02	0.017	85	0.02	0.017	85	0	35	80-136	
Bromoform	BRL	0.02	0.017	85	0.02	0.018	90	5.7	35	65-139	
Bromomethane	BRL	0.02	0.015	75	0.02	0.017	85	12.5	35	65-150	
Carbon tetrachloride	BRL	0.02	0.016	80	0.02	0.017	85	6.1	35	70-136	
Chlorobenzene	BRL	0.02	0.016	80	0.02	0.017	85	6.1	35	69-123	
Chloroethane	BRL	0.02	0.021	105	0.02	0.021	105	0	35	74-145	
Chloroform	BRL	0.02	0.02	100	0.02	0.02	100	0	35	78-132	
Chloromethane	BRL	0.02	0.015	75	0.02	0.016	80	6.4	35	69-139	
cis-1,2-Dichloroethylene	0.013	0.02	0.038	125	0.02	0.038	125	0	35	71-134	
cis-1,3-Dichloropropene	BRL	0.02	0.016	80	0.02	0.016	80	0	35	74-128	
Dibromochloromethane	BRL	0.02	0.018	90	0.02	0.019	95	5.4	35	67-141	
Dibromomethane	BRL	0.02	0.018	90	0.02	0.018	90	0	35	75-135	
Dichlorodifluoromethane	BRL	0.02	0.0088	44	0.02	0.009	45	2.2	35	62-146	M2
Ethylbenzene	BRL	0.02	0.016	80	0.02	0.017	85	6.1	35	80-132	
Isopropylbenzene	BRL	0.02	0.014	70	0.02	0.015	75	6.9	35	78-137	M2
m- & p-Xylenes	BRL	0.04	0.029	72.5	0.02	0.03	150	3.4	35	74-127	M2,M1
MEK	BRL	0.02	0.03	150	0.02	0.035	175	15.4	35	52-148	M1
Methylene chloride	BRL	0.02	0.023	115	0.02	0.024	120	4.3	35	68-131	
Naphthalene	BRL	0.02	0.025	125	0.02	0.029	145	14.8	35	61-116	M1
n-Butylbenzene	BRL	0.02	0.018	90	0.02	0.018	90	0	35	73-140	
n-Propylbenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	75-127	
o-Xylene	BRL	0.02	0.015	75	0.02	0.016	80	6.4	35	74-126	
sec-Butylbenzene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	75-129	
Styrene	BRL	0.02	0.014	70	0.02	0.015	75	6.9	35	77-123	M2
t-butylbenzene	BRL	0.02	0.021	105	0.02	0.021	105	0	35	75-126	
Tetrachloroethylene	BRL	0.02	0.018	90	0.02	0.019	95	5.4	35	70-130	
Toluene	BRL	0.02	0.018	85	0.02	0.019	90	5.7	35	72-121	
trans-1,2-Dichloroethylene	BRL	0.02	0.022	110	0.02	0.023	115	4.4	35	73-138	
trans-1,3-Dichloropropene	BRL	0.02	0.014	70	0.02	0.015	75	6.9	35	70-133	
Trichloroethylene	BRL	0.02	0.019	95	0.02	0.019	95	0	35	6-138	
Trichlorofluoromethane	BRL	0.02	0.016	80	0.02	0.016	80	0	35	67-148	
Vinyl Chloride	0.071	0.02	N/C	N/C	0.02	N/C	N/C	N/C	35	80-122	M6
Xylenes	BRL	0.06	0.044	73.3	0.06	0.046	76.7	4.4	35	73-127	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : Corrosivity, pH **Method : SW-846 9040C** **Reporting Units : s.u.**

QC Batch ID : Qb12080622 **Created Date :** 08/06/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: Duplicate

QC Sample ID: 12071121.05

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	8.05	8.02	s.u.	0.4	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.05							3.95-4.05	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb12080626 **Created Date :** 08/06/12 **Created By :** Ksudha

Samples in This QC Batch : 12071121.05,06,07,08,09,10,11

QC Type: Duplicate

QC Sample ID: 12071121.05

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	85	102	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12080629 **Created Date :** 08/06/12 **Created By :** Srani

Samples in This QC Batch : 12071121.07,09

Sample Preparation :	PB12073135	**Prep Method :**	SW-846 7.3	**Prep Date :**	07/30/12 08:40	**Prep By :**	Srani
	PB12080236		SW-846 7.3		08/02/12 08:15		Srani

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Reactive Cyanide		< MDL	mg/L	1	----	25		

QC Type: Duplicate

QC Sample ID: 12071125.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	11.6	46.3	25	11.3	45.3	2.5	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : Reactive Sulfide **Method : SW-846 7.3** **Reporting Units : mg/L**

QC Batch ID : Qb12080636 **Created Date :** 08/02/12 **Created By :** Srani

Samples in This QC Batch : 12071121.02,07,09

Sample Preparation :	PB12080234	**Prep Method :** SW-846 7.3	**Prep Date :** 08/02/12 08:15	**Prep By :** Srani
	PB12080632	SW-846 7.3	08/02/12 08:20	Srani

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Reactive Sulfide		< MDL	mg/L	1	----	25		

QC Type: Duplicate

QC Sample ID: 12071121.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	608	60.8	1000	649	64.9	6.4	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12071121 **Date :** 8/7/2012

Analysis : **Method :** **TX 1005** **Reporting Units : mg/L**

QC Batch ID : Qb12080643 **Created Date :** 08/06/12 **Created By :** AVBembde

Samples in This QC Batch : 12071121.05,09

Sample Preparation : PB12080635 **Prep Method :** TX 1005 **Prep Date :** 08/06/12 13:00 **Prep By :** AVBembde

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
C6-C12	TPH-1005-1	< MDL	mg/L	1	1.5	0.66		
>C12-C28	TPH-1005-2	< MDL	mg/L	1	1.5	0.86		
>C28-C35	TPH-1005-4	< MDL	mg/L	1	1.5	0.75		
Total C6-C35		< MDL	mg/L	1	----			
1-Chlorooctane(surr)	111-85-3	68.7	%	1				
Chlorooctadecane(surr)	3386-33-2	69.6	%	1				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	30	28.3	94.3	30	28.2	94	0.4	20	75-125	
>C12-C28	30	30.1	100	30	30.1	100	0	20	75-125	
>C28-C35	30	23.6	78.7	30	23.5	78.3	0.4	20	75-125	

Refer to the Definition page for terms.

A & B Labs — *Chain of Custody*

The Chain of Custody is a Legal Document

10100 East Fwy (I-10)
Suite 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 12071121

5. Project # 79112 CES

1. REPORT TO:
Company: EFFective ENV.
Address: 9950 Chemical RD
~~488~~ PASADENA TX
Contact: CLINT LECHNER
Phone: 281 793 1717
Fax: ☐
E-mail: ☒ CLECHNER@EFF-ENV.COM

2. INVOICE TO:
Company:
Address:
Contact: SAME
Phone:
Fax: ☐
E-mail: ☐

3. PO # 79112
3a. A&B Quote #
4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other:
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location
CES DAVIS ASKANASE

7. Reporting Requirement:
☐ TRRP Limits only ☒ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MDL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): CLINT LECHNER
Sampler's Signature & Date: 7-26

13. 14. Containers* / 15. Preservatives** / 16. PH-Lab Only / 17. Analyses/Methods: VOC SW846 8260C; SVOC SW846 8270D; TPH TX1005; RCRA Metals II; TSS SM 2540D; RCI

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Drinking Water	Air	Other	No. of Containers	18. REMARKS
01AB	WW T1	7-26	1030	X		X							2	TRRP 13
02AB	WW T12	7-26	1040	X		X							2	TRRP 13
03AB	WW T2	7-26	1050	X		X							2	TRRP 13
04AB	WW T6	7-26	1110	X		X							2	TRRP 13
05AB	WW T3	7-26	1130	X		X							2	TRRP 13
06AB	WW T4	7-26	12	X		X							2	TRRP 13
07AB	WW T10	7-26	1220	X		X							2	TRRP 13
08AB	WW T5	7-26	1230	X		X							2	TRRP 13
09AB	WW T7	726	1240	X		X							2	TRRP 13

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	7-26	1353		7-26-12	1353
2					
3					

21. KNOWN HAZARDS/COMMENTS

Temperature: 31.8 °C
Thermometer ID 90941650
Intact: Y or N Initials CC

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other
**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $NA_2S_2O_3$; X - Other

METHOD OF SHIPMENT
BILL OF LADING/TRACKING #

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

LAB USE ONLY SAMPLING RENTAL P/U

A & B Labs — *Chain of Custody*

The Chain of Custody is a Legal Document

Page 2 of 2

10100 East Fwy (I-10)
Suite 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 12071121

5. Project # 79112 CES

1. REPORT TO:
Company: EFFECTIVE ENV.
Address: 9850 Chemical Rd
PASADENA TX
Contact: CLINT LECHNER
Phone:
Fax: ☐
E-mail: ☐ CLECHNER@EFF-ENV.com

2. INVOICE TO:
Company:
Address: SAME
Contact:
Phone:
Fax: ☐
E-mail: ☐ CLECHNER@EFF-ENV.com

3. PO # 79112
3a. A&B Quote #
4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other:
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: CES DAVIS ASHLANESE

7. Reporting Requirement:
☐ TRRP Limits only ☒ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MDL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): Clint Lechner
Sampler's Signature & Date: 7-26

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Drinking Water	Air	Other	No. of Containers	VOC	SVOC	TPH	RCRA Metals	TSS	RCT	18. REMARKS
10AB	WWT9	7-26	1240	X		X							2	X	X	X	X	X	X	TRRP 13
11AB	WWT8	7-26	1300	X		X							2	X	X	X	X	X	X	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	7-26	1353		7-26-12	1353
2					
3					

21. KNOWN HAZARDS/COMMENTS

Temperature: _____ °C
Thermometer ID _____
Intact: Y or N Initials _____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

*Containers: VOA - -40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other _____

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $NA_2S_2O_3$; X - Other _____

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

LAB USE ONLY SAMPLING RENTAL _____ P/U _____

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Sample Condition Checklist

A&B JobID : **12071121**	Date Received : **07/26/2012**	Time Received : **1:53PM**
Client Name : **Effective Environmental**		
Temperature : **31.8°C**	Sample pH : **N/A**	
Thermometer ID : **90941650**	pH Paper ID : **N/A**	

	Check Points	Yes	No	N/A
1.	**Cooler seal present and signed.**			X
2.	**Sample(s) in a cooler.**		X	
3.	**If yes, ice in cooler.**		X	
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If no comment).**	X		
8.	**Matrix :** Water ☐ Soil ☐ Liquid ☑ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Sample(s) were received in appropriate container(s).**	X		
10.	**Sample(s) were received with proper preservative**	X		
11.	**All samples were logged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received within the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		

Comments : Include actions taken to resolve discrepancies/problem:

No voa vials received for VOC or TPH analysis.

Received by : CCripe

Check in by/date : CCripe / 07/26/2012

DCS Summary

A&B JobID 12071121
Effective Environmental
79112 CES / CES Davis Askanese
Sample Collected 7/26/2012

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	EPA 245.1	Mercury	0.0001	mg/L		0.00012	mg/L	75	04/23/2012	Ggorane

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	EPA 200.7	Aluminum	0.0145	mg/L		0.004	mg/L	363	05/10/2012	Scuello
DCS	EPA 200.7	Antimony	0.0060	mg/L		0.004	mg/L	150	05/10/2012	Scuello
DCS	EPA 200.7	Arsenic	0.0036	mg/L		0.004	mg/L	90	05/10/2012	Scuello
DCS	EPA 200.7	Barium	0.0042	mg/L		0.004	mg/L	105	05/10/2012	Scuello
DCS	EPA 200.7	Beryllium	0.0041	mg/L		0.004	mg/L	103	05/10/2012	Scuello
DCS	EPA 200.7	Boron	0.0045	mg/L		0.004	mg/L	113	05/10/2012	Scuello
DCS	EPA 200.7	Vanadium	0.0039	mg/L		0.004	mg/L	97.5	05/10/2012	Scuello
DCS	EPA 200.7	Zinc	0.0050	mg/L		0.004	mg/L	125	05/10/2012	Scuello
DCS	EPA 200.7	Selenium	0.0042	mg/L		0.004	mg/L	105	05/10/2012	Scuello
DCS	EPA 200.7	Silicon	0.0079	mg/L		0.004	mg/L	198	05/10/2012	Scuello
DCS	EPA 200.7	Silver	0.0038	mg/L		0.004	mg/L	95	05/10/2012	Scuello
DCS	EPA 200.7	Sodium	0.0096	mg/L		0.004	mg/L	240	05/10/2012	Scuello
DCS	EPA 200.7	Thallium	0.0049	mg/L		0.004	mg/L	123	05/10/2012	Scuello
DCS	EPA 200.7	Titanium	0.0038	mg/L		0.004	mg/L	95	05/10/2012	Scuello
DCS	EPA 200.7	Lead	0.0043	mg/L		0.004	mg/L	108	05/10/2012	Scuello
DCS	EPA 200.7	Magnesium	0.0063	mg/L		0.004	mg/L	158	05/10/2012	Scuello
DCS	EPA 200.7	Manganese	0.0040	mg/L		0.004	mg/L	100	05/10/2012	Scuello
DCS	EPA 200.7	Molybdenum	0.0040	mg/L		0.004	mg/L	100	05/10/2012	Scuello
DCS	EPA 200.7	Nickel	0.0040	mg/L		0.004	mg/L	100	05/10/2012	Scuello
DCS	EPA 200.7	Potassium	0.0595	mg/L		0.04	mg/L	149	05/10/2012	Scuello
DCS	EPA 200.7	Cadmium	0.0040	mg/L		0.004	mg/L	100	05/10/2012	Scuello
DCS	EPA 200.7	Calcium	0.0171	mg/L		0.004	mg/L	428	05/10/2012	Scuello
DCS	EPA 200.7	Chromium	0.0039	mg/L		0.004	mg/L	97.5	05/10/2012	Scuello
DCS	EPA 200.7	Cobalt	0.0044	mg/L		0.004	mg/L	110	05/10/2012	Scuello
DCS	EPA 200.7	Copper	0.0045	mg/L		0.004	mg/L	113	05/10/2012	Scuello
DCS	EPA 200.7	Iron	0.0125	mg/L		0.004	mg/L	313	05/10/2012	Scuello

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8270D	1,2,4-Trichlorobenzene	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	1,2-Dichlorobenzene	0.0033	mg/L		0.006	mg/L	55	05/24/2012	Whuimei
DCS	SW-846 8270D	1,3-Dichlorobenzene	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	1,4-Dichlorobenzene	0.0031	mg/L		0.006	mg/L	51.7	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4,5-Trichlorophenol	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4,6-Trichlorophenol	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Dibenz (a,j) acridine	0.0032	mg/L		0.006	mg/L	53.3	06/18/2012	Whuimei
DCS	SW-846 8270D	N,N-dimethylaniline	0.0018	mg/L		0.003	mg/L	60	06/26/2012	Whuimei
DCS	SW-846 8270D	Methapyrilene	0.003	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	N-Nitrosomorpholine	0.0035	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Phorate	0.0045	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Quinoline	0.0055	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Thiophenol	0.0016	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	4,4'-Methylenebis (N,N-Dimethylaniline)	0.0018	mg/L		0.01	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	N-Nitrosodibutylamine	0.0038	mg/L			mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Nitroso-N-diethylamine	0.0034	mg/L		0.006	mg/L	56.7	05/31/2012	Whuimei
DCS	SW-846 8270D	Diphenylamine	0.0037	mg/L		0.006	mg/L	61.7	06/01/2012	Whuimei
DCS	SW-846 8270D	Aramite	0.0054	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Atrazine	0.0043	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Caprolactam	0.0073	mg/L		0.006	mg/L		06/18/2012	Whuimei
DCS	SW-846 8270D	Pentachloronitrobenzene	0.0033	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Safrole	0.0033	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	7,12-Dimethylbenz (a) anthracene	0.0067	mg/L		0.006	mg/L	112	05/31/2012	Whuimei
DCS	SW-846 8270D	Phenacitin	0.0034	mg/L		0.006	mg/L	56.7	05/31/2012	Whuimei
DCS	SW-846 8270D	Pronamide	0.0037	mg/L		0.006	mg/L	61.7	05/31/2012	Whuimei

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8270D	1,2,4,5-Tetrachlorobenzene	0.0032	mg/L			mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Isosafrole	0.0034	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Methyl Methanesulfonate	0.0033	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	N-nitrosomethylethylamine	0.0031	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	N-Nitrosopiperidine	0.0035	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	N-nitrosopyrrolidine	0.003	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Pentachlorobenzene	0.0035	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	5-Nitro-o-toluidine	0.0027	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Acetophenone	0.0035	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Chlorobenzilate	0.0037	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Dinoseb	0.0092	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Ethyl Methanesulfonate	0.0033	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Isodrin	0.0035	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	2-Acetylaminofluorene	0.0028	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	2-Naphthylamine	0.0063	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	2-Picoline	0.0033	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	3,3'-Dimethylbenzidine	0.0084	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	3-Methylcholanthrene	0.0031	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	4-Aminobiphenyl	0.0065	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	1,3,5-Trinitrobenzene	0.008	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	1,3-Dinitrobenzene	0.003	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	1,4-Naphthoquinone	0.0031	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	1-Naphthylamine	0.0057	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	2,3,4,6-Tetrachlorophenol	0.0031	mg/L		0.006	mg/L		05/31/2012	Whuimei

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8270D	2,6-Dichlorophenol	0.0036	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Pentachlorophenol	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Phenanthrene	0.0038	mg/L		0.006	mg/L	63.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Phenol	0.0028	mg/L		0.006	mg/L	46.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Pyrene	0.0039	mg/L		0.006	mg/L	65	05/24/2012	Whuimei
DCS	SW-846 8270D	Pyridine	0.0027	mg/L		0.010	mg/L	27	05/24/2012	Whuimei
DCS	SW-846 8270D	1,2-Diphenylhydrazine as Azobenzene	0.0036	mg/L		0.006	mg/L		05/31/2012	Whuimei
DCS	SW-846 8270D	Isophorone	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Naphthalene	0.0033	mg/L		0.006	mg/L	55	05/24/2012	Whuimei
DCS	SW-846 8270D	Nitrobenzene	0.0038	mg/L		0.006	mg/L	63.3	05/24/2012	Whuimei
DCS	SW-846 8270D	N-Nitrosodimethylamine	0.0026	mg/L		0.006	mg/L	43.3	05/24/2012	Whuimei
DCS	SW-846 8270D	N-nitroso-di-n-propylamine	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	N-Nitrosodiphenylamine	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Fluorene	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Hexachlorobenzene	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Hexachlorobutadiene	0.0033	mg/L		0.006	mg/L	55	05/24/2012	Whuimei
DCS	SW-846 8270D	Hexachlorocyclopentadiene	0.0041	mg/L		0.015	mg/L	27.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Hexachloroethane	0.0031	mg/L		0.006	mg/L	51.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Indeno(1,2,3-cd)pyrene	0.0028	mg/L		0.006	mg/L	46.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Dibenzofuran	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Diethyl phthalate	0.0048	mg/L		0.006	mg/L	80	05/24/2012	Whuimei
DCS	SW-846 8270D	Dimethyl phthalate	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Di-n-butyl phthalate	0.0041	mg/L		0.006	mg/L	68.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Di-n-octyl Phthalate	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8270D	Fluoranthene	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Bis(2-chloroisopropyl) ether	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Bis(2-ethylhexyl)phthalate	0.0042	mg/L		0.006	mg/L	70	05/24/2012	Whuimei
DCS	SW-846 8270D	Butyl benzyl phthalate	0.0038	mg/L		0.006	mg/L	63.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Carbazole	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Chrysene	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Dibenzo(a,h)anthracen e	0.003	mg/L		0.006	mg/L	50	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzo(g,h,i)perylene	0.0033	mg/L		0.006	mg/L	55	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzo(k)fluoranthene	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzoic acid	0.01	mg/L		0.015	mg/L	66.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzyl alcohol	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Bis(2-chloroethoxy) methane	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Bis(2-chloroethyl) ether	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Anthracene	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Azobenzene	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzidine	0.011	mg/L		0.015	mg/L	73.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzo(a)anthracene	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzo(a)pyrene	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	Benzo(b)fluoranthene	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Chlorophenyl pheny ether	0.0036	mg/L		0.006	mg/L	60	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Nitroaniline	0.0027	mg/L		0.006	mg/L	45	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Nitrophenol	0.0025	mg/L		0.006	mg/L	41.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Acenaphthene	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	Acenaphthylene	0.0033	mg/L		0.006	mg/L	55	05/24/2012	Whuimei
DCS	SW-846 8270D	Aniline	0.0041	mg/L		0.01	mg/L	41	05/24/2012	Whuimei

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8270D	3,3-Dichlorobenzidine	0.019	mg/L		0.036	mg/L	52.8	05/24/2012	Whuimei
DCS	SW-846 8270D	3-Nitroaniline	0.0057	mg/L		0.006	mg/L	95	05/24/2012	Whuimei
DCS	SW-846 8270D	4,6-Dinitro-2-methylphenol	0.0066	mg/L		0.006	mg/L	110	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Bromophenyl phenyl ether	0.0037	mg/L		0.006	mg/L	61.7	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Chloro-3-methylphenol	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	4-Chloroaniline	0.0061	mg/L		0.010	mg/L	61	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Chlorophenol	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Methylnaphthalene	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Methylphenol	0.0034	mg/L		0.006	mg/L	56.7	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Nitroaniline	0.0031	mg/L		0.006	mg/L	51.7	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Nitrophenol	0.003	mg/L		0.006	mg/L	50	05/24/2012	Whuimei
DCS	SW-846 8270D	3- & 4-Methylphenols	0.0068	mg/L		0.006	mg/L	113	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4-Dichlorophenol	0.0035	mg/L		0.006	mg/L	58.3	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4-Dimethylphenol	0.003	mg/L		0.006	mg/L	50	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4-Dinitrophenol	0.0095	mg/L		0.015	mg/L	63.3	05/24/2012	Whuimei
DCS	SW-846 8270D	2,4-Dinitrotoluene	0.003	mg/L		0.006	mg/L	50	05/24/2012	Whuimei
DCS	SW-846 8270D	2,6-Dinitrotoluene	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei
DCS	SW-846 8270D	2-Chloronaphthalene	0.0032	mg/L		0.006	mg/L	53.3	05/24/2012	Whuimei

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	TX 1005	>C12-C28	2.56	mg/L		1.5	mg/L	171	04/19/2011	Ksudha
DCS	TX 1005	>C28-C35	1.47	mg/L		1.5	mg/L	98	04/19/2011	Ksudha
DCS	TX 1005	C6-C12	0.812	mg/L		1.5	mg/L	54.1	04/19/2011	Ksudha
DCS	TX 1005	Total C6-C35	4.842	mg/L		0	mg/L		04/19/2011	Ksudha

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8260C	1,1,1,2-Tetrachloroethane	0.0036	mg/L		0.004	mg/L	90	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1,1-Trichloroethane	0.0036	mg/L		0.004	mg/L	90	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1,2,2-Tetrachloroethane	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1,2-Trichloroethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1-Dichloroethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1-Dichloroethylene	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	trans-1,2-Dichloroethylene	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	trans-1,3-Dichloropropene	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Trichloroethylene	0.0043	mg/L		0.004	mg/L	108	07/16/2012	Psaraiya
DCS	SW-846 8260C	Trichlorofluoromethane	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Vinyl Chloride	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Xylenes	0.0106	mg/L		0.012	mg/L	88.3	07/16/2012	Psaraiya
DCS	SW-846 8260C	o-Xylene	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	sec-Butylbenzene	0.0041	mg/L		0.004	mg/L	103	07/16/2012	Psaraiya
DCS	SW-846 8260C	Styrene	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	t-butylbenzene	0.0041	mg/L		0.004	mg/L	103	07/16/2012	Psaraiya
DCS	SW-846 8260C	Tetrachloroethylene	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Toluene	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	m- & p-Xylenes	0.0072	mg/L		0.008	mg/L	90	07/16/2012	Psaraiya
DCS	SW-846 8260C	MEK	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Methylene chloride	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Naphthalene	0.0045	mg/L		0.004	mg/L	113	07/16/2012	Psaraiya
DCS	SW-846 8260C	n-Butylbenzene	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	n-Propylbenzene	0.0039	mg/L		0.004	mg/L	97.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	cis-1,3-Dichloropropene	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8260C	Dibromochloromethane	0.0029	mg/L		0.004	mg/L	72.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Dibromomethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Dichlorodifluoromethane	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Ethylbenzene	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Isopropylbenzene	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Carbon tetrachloride	0.0031	mg/L		0.004	mg/L	77.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Chlorobenzene	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Chloroethane	0.0037	mg/L		0.004	mg/L	92.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Chloroform	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	Chloromethane	0.0034	mg/L		0.004	mg/L	85	07/16/2012	Psaraiya
DCS	SW-846 8260C	cis-1,2-Dichloroethylene	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Benzene	0.0038	mg/L		0.004	mg/L	95	07/16/2012	Psaraiya
DCS	SW-846 8260C	Bromobenzene	0.0041	mg/L		0.004	mg/L	103	07/16/2012	Psaraiya
DCS	SW-846 8260C	Bromochloromethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Bromodichloromethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	Bromoform	0.0056	mg/L		0.004	mg/L	140	07/16/2012	Psaraiya
DCS	SW-846 8260C	Bromomethane	0.0066	mg/L		0.004	mg/L	165	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,3-Dichloropropane	0.0036	mg/L		0.004	mg/L	90	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,4-Dichlorobenzene	0.0037	mg/L		0.004	mg/L	92.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	2,2-Dichloropropane	0.0032	mg/L		0.004	mg/L	80	07/16/2012	Psaraiya
DCS	SW-846 8260C	2-Chlorotoluene	0.0042	mg/L		0.004	mg/L	105	07/16/2012	Psaraiya
DCS	SW-846 8260C	4-Chlorotoluene	0.004	mg/L		0.004	mg/L	100	07/16/2012	Psaraiya
DCS	SW-846 8260C	4-Isopropyltoluene	0.0039	mg/L		0.004	mg/L	97.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2-Dibromoethane	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2-Dichlorobenzene	0.0038	mg/L		0.004	mg/L	95	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2-Dichloroethane	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya

QCType	Method	Parameter	Result	Units	D.F.	Spike Amount	Spike Units	%Rec	EnteredDate	EnteredBy
DCS	SW-846 8260C	1,2-Dichloropropane	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,3,5-Trimethylbenzene	0.004	mg/L		0.004	mg/L	100	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,3-Dichlorobenzene	0.0038	mg/L		0.004	mg/L	95	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,1-Dichloropropene	0.0033	mg/L		0.004	mg/L	82.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2,3-trichlorobenzene	0.0039	mg/L		0.004	mg/L	97.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2,3-Trichloropropane	0.0043	mg/L		0.004	mg/L	108	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2,4-Trichlorobenzene	0.0035	mg/L		0.004	mg/L	87.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2,4-Trimethylbenzene	0.0039	mg/L		0.004	mg/L	97.5	07/16/2012	Psaraiya
DCS	SW-846 8260C	1,2-Dibromo-3-chloropropane	0.0036	mg/L		0.004	mg/L	90	07/16/2012	Psaraiya

Laboratory Data Package Cover Page

This data package is for Job No. 12071121 and laboratory batch no(s). Qb12072744,Qb12072745,Qb12073146,Qb12080138,Qb12080139,qb12080143,Qb12080214,Qb12080216,Qb12080224,Qb12080225,Qb12080237,Qb12080241,Qb12080304,Qb12080326,Qb12080622,Qb12080626,Qb12080629,Qb12080636,Qb12080643 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

☒ R1 - Field chain-of-custody documentation;

☒ R2 - Sample identification cross-reference;

☒ R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

☒ R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

☒ R5 - Test reports/summary forms for blank samples;

☒ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

c. LCS spiking amounts,

d. Calculated %R for each analyte, and

e. The laboratory's LCS QC limits.

☒ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

f. Samples associated with the MS/MSD clearly identified,

g. MS/MSD spiking amounts,

h. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

i. Calculated %Rs and relative percent differences (RPDs), and

j. The laboratory's MS/MSD QC limits

☒ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

k. The amount of analyte measured in the duplicate,

l. The calculated RPD, and

m. The laboratory's QC limits for analytical duplicates.

☒ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

☒ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/ anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on _____. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible forreleasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Alisha Rodriguez	Alisha Rodriguez	Project Manager	08/07/2012

Laboratory Review Checklist: Reportable Data

Project Name: 79112 CES / CES Davis Askanese
Reviewed By: ACrodriguez
A&B Job ID: 12071121
Date Reviewed: 08/07/2012
Prep Batch Number(s): Qb12072744,Qb12072745,Qb12073146,Qb12080138,Qb12080139,qb12080143,Qb12080214,Qb12080216,Qb12080224,Qb12080225,Qb12080237,Qb12080241,Qb12080304,Qb12080326,Qb12080622,Qb12080626,Qb12080629,Qb12080636,Qb12080643

#	A	Description	Yes	No	NA	NR	ER#
R1	**OI**	**Chain-of Custody**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			R1/1
		2) Were all departures from standard conditions described in an exception report?	X				
R2	**OI**	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross referenced to corresponding QC data?	X				
R3	**OI**	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?		X			R3/1
		2) Other than those results <MQL, were all other reported results within calibration range?		X			R3/2
		3) Were calculations subject to appropriate checks?	X				
		4) Were all analyte identifications subject to appropriate checks?	X				
		5) Were all sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			X		
		7) Was % moisture (or solids) reported for all samples?			X		
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035			X		
		9) If required for the project, were tentatively dentified compounds (TICs) reported?			X		
R4	**OI**	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries (%R) within the laboratory QC limits?		X			R4/2
R5	**OI**	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blanks free of detected target compounds and, if applicable, reported TICs?	X				
R6	**OI**	**Laboratory Control Samples (LCS)**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			R6/4
		5) Were LCSs spiked at or below the LORP or do the detectability data document the laboratory's capability of detecting the COCs in samples spiked at the MDL?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	**OI**	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %R within the laboratory QC limits?		X			R7/3
		4) Were MS/MSD RPDs within laboratory QC limits?		X			R7/4
R8	**OI**	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	**OI**	**Method Quatitation Limits MQLs)**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				

#	A	Description	Yes	No	NA	NR	ER#
		2) Do the MQLs correspond to the concentration of the lowest non-zero standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	**OI**	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10/2
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

S1	**OI**	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Were the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	**OI**	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB):**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?		X			S2/2
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	**O**	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	**O**	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	**OI**	**Raw data (NELAC Section 5.5.10)**					
		1) Were the raw data (e.g., chromatograms, and spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	**OI**	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?	X				
S7	**OI**	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	**OI**	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	**OI**	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		Were percent differences, recoveries, and the linearity within the QC limits	X				
S10	**OI**	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all methods documented and verified and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S11	**OI**	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	**OI**	**STANDARDS DOCUMENTATION**					

Laboratory Review Checklist: Reportable Data

Project Name: 79112 CES / CES Davis Askanese
Reviewed By: ACrodriguez
A&B Job ID: 12071121
Date Reviewed: 08/07/2012
Prep Batch Number(s): Qb12072744,Qb12072745,Qb12073146,Qb12080138,Qb12080139,qb12080143,Qb12080214,Qb12080216,Qb12080224,Qb12080225,Qb12080237,Qb12080241,Qb12080304,Qb12080326,Qb12080622,Qb12080626,Qb12080629,Qb12080636,Qb12080643

#	A	Description	Yes	No	NA	NR	ER#
		Are the standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	**OI**	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	**OI**	**DEMONSTRATION OF CAPABILITY (DOC)**					
		1) Was DOC conducted generally consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	**OI**	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S16	**OI**	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

ER#	EXCEPTION
R1/1	All samples were received without ice in the cooler and the temperature of the samples was 31.8 degrees.
R3/1	All samples were received expired for pH analysis. The method holding time for pH is immediate and should be performed in the field. This analysis was qualified in the report with a "H3" qualifier.
R3/2	For TSS analysis by Method SM2540D, all samples were qualified with an "E" qualifier as the results are estimated and were above calibration range. For Volatile analysis by Method SW-846 8260C, some of the compounds for your sample "WW T2" (A&B Lab ID: 12071121.03) was qualified with an "E" qualifier as the results are estimated and were above calibration range. For Reactive Sulfide analysis by Method SW-846 7.3, your samples "WW T3" (A&B Lab ID: 12071121.05), and "WW T9" (A&B Lab ID: 12071121.10) were qualified with an "E" qualifier as the results are estimated and were above calibration range.
R4/2	Total Petroleum Hydrocarbon (TPH) by TCEQ Method 1005 - Surrogate Recovery: For your sample ID "WW T1" (A&B Lab ID: 12071121.01), the recovery of TPH surrogate 1-Chlorooctane was above QC limits due to matrix interference. The surrogate was qualified with a "S1" qualifier. The second surrogate used in TPH analysis, Chlorooctadecane recovered within control limits. Total Petroleum Hydrocarbon (TPH) by TCEQ Method 1005 - Surrogate Recovery: For your sample IDs "WW T2" (A&B Lab ID: 12071121.03), "WW T6" (A&B Lab ID: 12071121.04), "WW T3" (A&B Lab ID: 12071121.05), "WW T10" (A&B Lab ID: 12071121.07), "WW T5" (A&B Lab ID: 12071121.08), "WW T7" (A&B Lab ID: 12071121.09), "WW T9" (A&B Lab ID: 12071121.10), and "WW T8" (A&B Lab ID: 12071121.11), the recovery for both surrogates was not available due to the high dilution of the sample extract. The surrogates were qualified with a "S4" qualifier. Total Petroleum Hydrocarbon (TPH) by TCEQ Method 1005 - Surrogate Recovery: For your sample ID "WW T4" (A&B Lab ID: 12071121.06), the recovery of TPH surrogate Chlorooctadecane was not available due to the high dilution of the sample extract. The surrogate was qualified with a "S4" qualifier. The second surrogate used in TPH analysis, 1-Chlorooctane recovered within control limits. Semivolatile Organic Compounds by Method SW-846 8270D - Surrogate Recovery: For your sample ID "WW T3" (A&B Lab ID: 12071121.05), the recovery of surrogates 2,4,6-Tribromophenol, Phenol-d6, and 2-Fluorophenol were not available due to the high dilution of the sample extract. These surrogates were qualified with a "S4" qualifier. Semivolatile Organic Compounds by Method SW-846 8270D - Surrogate Recovery: For your sample ID "WW T7" (A&B Lab ID: 12071121.09), the recovery of surrogates 2-Fluorobiphenyl, p-Terphenyl-d14, and Nitrobenzene-d5 were above QC limits. For your sample ID :WW T9" (A&B Lab ID: 12071121.10), the recovery of surrogate Phenol-d6 was above QC limits. These surrogates were qualified with a "S1" qualifier.
R6/4	Volatile Organic Compounds By Method SW-846 8260C, QC Batch ID: Qb12080304 - The LCS recovery for several compounds was above laboratory control limits. These compounds were qualified with a "L1" qualifier.

Laboratory Review Checklist: Reportable Data

Project Name: 79112 CES / CES Davis Askanese
Reviewed By: ACrodriguez
A&B Job ID: 12071121
Date Reviewed: 08/07/2012
Prep Batch Number(s): Qb12072744,Qb12072745,Qb12073146,Qb12080138,Qb12080139,qb12080143,Qb12080214,Qb12080216,Qb12080224,Qb12080225,Qb12080237,Qb12080241,Qb12080304,Qb12080326,Qb12080622,Qb12080626,Qb12080629,Qb12080636,Qb12080643

ER#	EXCEPTION
R7/3	Total Recoverable Metals by Method EPA 200.7, QC Batch ID: Qb12080216 - The MS recovery for Barium is below laboratory control limts due to matrix interference. The sample randomly selected in this batch for the quality control check is your sample "WW T6" (A&B Lab ID: 12071121.04). This element was qualified in the report with a "M9" qualifier. Volatile Organic Compounds by Method SW-846 8260C, QC Batch ID: Qb12080304 - The MS and/or MDS recovery for several compounds are above laboratory control limts due to matrix interference. The sample randomly selected in this batch for the quality control check is your sample "WW T2" (A&B Lab ID: 12071121.03). These compounds were qualified in the report with a "M8" qualifier. Volatile Organic Compounds by Method SW-846 8260C, QC Batch ID: Qb12080326 - The MS and/or MDS recovery for several compounds are above laboratory control limts due to matrix interference. These compounds were qualified with a "M1" qualifier. There are also several compounds that recovered below laboratory control limits due to matrix interference. These compounds were qualified with a "M2" qualifier. The sample randomly selected in this batch for the quality control check is not your sample, therefore the sample matrix is not applicable to your project. Volatile Organic Compounds by Method SW-846 8260C, QC Batch ID: Qb12080304 - The MS and/or MDS recovery for several compounds was not calculated due to sample concentration being high, and spike out of linear range. The sample randomly selected in this batch for the quality control check is your sample "WW T2" (A&B Lab ID: 12071121.03). These compounds were qualified in the report with a "M6" qualifier. Volatile Organic Compounds by Method SW-846 8260C, QC Batch ID: Qb12080326 - The MS and/or MDS recovery for Vinyl Chloride was not calculated due to sample concentration being high, and spike out of linear range. The sample randomly selected in this batch for the quality control check is not your sample, therefore the sample matrix is not applicable to your sample. These compounds were qualified in the report with a "M6" qualifier.
R7/4	Volatile Organic Compounds by Method SW-846 8260C, QC Batch ID: Qb12080304 - The RPD control limits recovered above laboratory control limits for 1,1,2-Trichloroethane . The sample randomly selected in this batch for the quality control check is your sample "WW T2" (A&B Lab ID: 12071121.03). This compound was qualified in the report with a "R3" qualifier.
R10/2	Total Recoverable Metals by EPA 200.7 - All of your samples required a dilution due to matrix interference. They were qualified in the report with a "D1" qualifier. Total Mercury by EPA 245.1 - All of your samples required a dilution due to matrix interference. They were qualified in the report with a "D1" qualifier. TSS by Method SM 2540D - All of your samples required a dilution due to matrix interference. They were qualified in the report with a "D1" qualifier. Volatile Organic Compounds by Method SW-846 8260C - All of your samples required a dilution due to a high concentration of non-target analytes. Several compounds were reported as <SDL. This is qualified in the report with a "D2" qualifier. SemiVolatile Organic Compounds by Method SW-846 8270D - All of your samples required a dilution due to a high concentration of non-target analytes. Several compounds were reported as <SDL. This is qualified in the report with a "D2" qualifier.
S2/2	Semivolatile Organic Compounds by Method SW-846 8270D - For all of your samples, the CCV recovery for 2,4-Dinitrophenol was below the control limits, however the average % difference for this analyte meets method criteria. These samples were qualified with a "V7" qualifier. Volatile Organic Compounds by Method SW-846 8260C - For your samples "WW T3" (A&B Lab ID: 12071121.05), "WW T4" (A&B Lab ID: 12071121.06), "WW T10" (A&B Lab ID: 12071121.07), "WW T5" (A&B Lab ID: 12071121.08), "WW T7" (A&B Lab ID: 12071121.09), "WW T9" (A&B Lab ID: 12071121.10), and "WW T8" (A&B Lab ID: 12071121.11) the CCV recovery for Dichlorodifluoromethane, and Styrene was below the control limits, however the average % difference for this analyte meets method criteria. These samples were qualified with a "V7" qualifier. Volatile Organic Compounds by Method SW-846 8260C - For your samples "WW T3" (A&B Lab ID: 12071121.05), "WW T4" (A&B Lab ID: 12071121.06), "WW T10" (A&B Lab ID: 12071121.07), "WW T5" (A&B Lab ID: 12071121.08), "WW T7" (A&B Lab ID: 12071121.09), "WW T9" (A&B Lab ID: 12071121.10), and "WW T8" (A&B Lab ID: 12071121.11) the CCV recovery for Bromochloromethane, and Methylene Chloride was above the control limits, however the target analyte was not detected in the sample. These samples were qualified with a "V1" qualifier.

O = organic analyses;

I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;

Laboratory Review Checklist: Reportable Data

Project Name: 79112 CES / CES Davis Askanese
Reviewed By: ACrodriguez
A&B Job ID: 12071121
Date Reviewed: 08/07/2012
Prep Batch Number(s): Qb12072744,Qb12072745,Qb12073146,Qb12080138,Qb12080139,qb12080143,Qb12080214,Qb12080216,Qb12080224,Qb12080225,Qb12080237,Qb12080241,Qb12080304,Qb12080326,Qb12080622,Qb12080626,Qb12080629,Qb12080636,Qb12080643

NR = Not Reviewed;

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Analysis Report

Total Number of Pages: 96

Job ID : 12081165

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Report To :	Client Name:	Bluebonnet Petrochemical Solutions, PLLC	P.O.#.:
	Attn:	Joy Baker	Sample Collected By: Joy Baker
	Client Address:	6450 North Main Street	Date Collected: 08/24/12
	City, State, Zip:	Baytown, Texas, 77521	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
OT1 - Liquid Phase	Liquid	12081165.01
OT1 - Oil Phase	Oil	12081165.02
OT2 - Liquid Phase	Liquid	12081165.03
OT2 - Oil Phase	Oil	12081165.04
OT3 - Liquid Phase	Liquid	12081165.05
OT3 - Oil Phase	Oil	12081165.06
OT4 - Liquid Phase	Liquid	12081165.07
OT4 - Oil Phase	Oil	12081165.08
OT5 - Liquid Phase	Liquid	12081165.09
OT5 - Oil Phase	Oil	12081165.10
OT6 - Liquid Phase	Liquid	12081165.11
OT6 - Oil Phase	Oil	12081165.12
FTO1 - Liquid Phase	Liquid	12081165.13
WT1 - Liquid Phase	Liquid	12081165.15
WT1 - Oil Phase	Oil	12081165.16
NP1 - Liquid Phase	Liquid	12081165.17
NP2 - Liquid Phase	Liquid	12081165.19
NP2 - Oil Phase	Oil	12081165.20
NP3 - Liquid Phase	Liquid	12081165.21

The following report is not complete. Sub-contract analysis report is pending. The final report will be mailed upon receipt of subcontract analysis

Released By: Shantall Carpenter

Title: Senior Project Manager

Date: 9/11/2012

This Laboratory is NELAP (T104704213-12-7) accredited. Effective: 07/01/2012; Expires: 03/31/2013

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 08/24/2012 15:05

Laboratory Analysis Report

Total Number of Pages: 96

Job ID : 12081165

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
NP3 - Oil Phase	Oil	12081165.22
NP4 - Liquid Phase	Liquid	12081165.23
NP5 - Oil Phase	Oil	12081165.26
NP6 - Liquid Phase	Liquid	12081165.27
NP6 - Oil Phase	Oil	12081165.28
NP7 - Liquid Phase	Liquid	12081165.29
NP7 - Oil Phase	Oil	12081165.30
NP8 - Oil Phase	Oil	12081165.32
1002 - Liquid Phase	Liquid	12081165.33
1002 - Oil Phase	Oil	12081165.34
1004 - Liquid Phase	Liquid	12081165.35
1004 - Oil Phase	Oil	12081165.36
OT7 - Liquid Phase	Liquid	12081165.37
OT7 - Oil Phase	Oil	12081165.38
OT8 - Liquid Phase	Liquid	12081165.39
OT8 - Oil Phase	Oil	12081165.40
OT9 - Liquid Phase	Liquid	12081165.41
OT9 - Oil Phase	Oil	12081165.42

The following report is not complete. Sub-contract analysis report is pending. The final report will be mailed upon receipt of subcontract analysis

Shantall Carpenter

Released By: Shantall Carpenter

Title: Senior Project Manager

Date: 9/11/2012

This Laboratory is NELAP (T104704213-12-7) accredited. Effective: 07/01/2012; Expires: 03/31/2013

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 08/24/2012 15:05

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 12081165

Date: 9/11/2012

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

D1	Sample required dilution due to matrix effects.
D2	Sample required dilution due to high concentration of non-target analyte.
E4	Concentration Estimated. Analyte exceeded calibration range, but within linear range.
H3	Sample was received and analyzed past holding time.
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
R1	RPD exceeds control limits."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
S2	Surrogate recovery is below control limit. Results may be biased low.
S4	Surrogate not available due to dilution of sample extract for quantification.
S6	Surrogate recovery is outside control limits due to matrix effects.

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:00

Other Information:

Job Sample ID: 12081165.01

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 16:27	GG
	Barium	0.08	mg/L	2	0.08	100.0		08/31/12 16:27	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:27	GG
	Chromium	0.10	mg/L	2	0.08	5.0		08/31/12 16:27	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:27	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:27	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:27	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	40	0.02	0.2	D1	08/30/12 17:23	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	40	5.2	0.6	D2	08/30/12 11:10	KMK
	1,2-Dichloroethane	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:10	KMK
	1,4-Dichlorobenzene	BRL	mg/L	40	6	7.5	D2	08/30/12 11:10	KMK
	Benzene	14.2	mg/L	40	5.2	0.5		08/30/12 11:10	KMK
	Carbon tetrachloride	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:10	KMK
	Chlorobenzene	BRL	mg/L	40	6	70	D2	08/30/12 11:10	KMK
	Chloroform	BRL	mg/L	40	5.2	6	D2	08/30/12 11:10	KMK
	MEK	67.1	mg/L	40	5.2	200	E4	08/30/12 11:10	KMK
	Tetrachloroethylene	BRL	mg/L	40	6.4	0.7	D2	08/30/12 11:10	KMK
	Trichloroethylene	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:10	KMK
	Vinyl Chloride	BRL	mg/L	40	4	0.2	D2	08/30/12 11:10	KMK
	p-Bromofluorobenzene(surr)	96	%	40	70-130			08/30/12 11:10	KMK
	Toluene-d8(surr)	99.8	%	40	70-130			08/30/12 11:10	KMK
	1,2-Dichloroethane-d4(surr)	90.7	%	40	70-130			08/30/12 11:10	KMK
	Dibromofluoromethane(surr)	97.3	%	40	70-130			08/30/12 11:10	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	50	2.5	7.5	D1	08/31/12 19:16	HW
	2,4,5-Trichlorophenol	BRL	mg/L	50	2.5	400		08/31/12 19:16	HW
	2,4,6-Trichlorophenol	BRL	mg/L	50	2.5	2		08/31/12 19:16	HW
	2,4-Dinitrotoluene	BRL	mg/L	50	2.5	0.13		08/31/12 19:16	HW
	2-Methylphenol	5.22	mg/L	50	2.5	200		08/31/12 19:16	HW
	3- & 4-Methylphenols	24.5	mg/L	50	5	200		08/31/12 19:16	HW
	Hexachlorobenzene	BRL	mg/L	50	2.5	0.13		08/31/12 19:16	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:00

Other Information:

Job Sample ID: 12081165.01

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobutadiene	BRL	mg/L	50	2.5	0.4		08/31/12 19:16	HW
	Hexachloroethane	BRL	mg/L	50	2.5	3		08/31/12 19:16	HW
	Nitrobenzene	BRL	mg/L	50	2.5	2		08/31/12 19:16	HW
	Pentachlorophenol	BRL	mg/L	50	12.5	100		08/31/12 19:16	HW
	Pyridine	BRL	mg/L	50	2.5	4		08/31/12 19:16	HW
	2,4,6-Tribromophenol(surr)	59	%	50	10-120			08/31/12 19:16	HW
	2-Fluorobiphenyl(surr)	81.5	%	50	30-115			08/31/12 19:16	HW
	2-Fluorophenol(surr)	44	%	50	15-111			08/31/12 19:16	HW
	Nitrobenzene-d5(surr)	125	%	50	20-120		S6	08/31/12 19:16	HW
	Phenol-d6(surr)	95.5	%	50	15-120			08/31/12 19:16	HW
	p-Terphenyl-d14(surr)	85	%	50	18-137			08/31/12 19:16	HW
SW-846 9040C	Corrosivity, pH								
	pH	5.02	s.u.				H3	09/04/12 14:00	DDL
	Temperature when read, °C[1]	21.2	s.u.				H3	09/04/12 14:00	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT1 - Oil Phase

Date Collected: 08/24/12

Time Collected: 11:00

Other Information:

Job Sample ID: 12081165.02

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	507	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT2 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:10

Other Information:

Job Sample ID: 12081165.03

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 18:29	GG
	Barium	0.11	mg/L	2	0.08	100.0		08/31/12 18:29	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 18:29	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 18:29	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 18:29	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 18:29	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 18:29	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	43.8	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:39	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	40	5.2	0.6	D2	08/30/12 11:43	KMK
	1,2-Dichloroethane	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:43	KMK
	1,4-Dichlorobenzene	BRL	mg/L	40	6	7.5	D2	08/30/12 11:43	KMK
	Benzene	20.6	mg/L	40	5.2	0.5		08/30/12 11:43	KMK
	Carbon tetrachloride	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:43	KMK
	Chlorobenzene	BRL	mg/L	40	6	70	D2	08/30/12 11:43	KMK
	Chloroform	BRL	mg/L	40	5.2	6	D2	08/30/12 11:43	KMK
	MEK	66.6	mg/L	40	5.2	200	E4	08/30/12 11:43	KMK
	Tetrachloroethylene	BRL	mg/L	40	6.4	0.7	D2	08/30/12 11:43	KMK
	Trichloroethylene	BRL	mg/L	40	5.2	0.5	D2	08/30/12 11:43	KMK
	Vinyl Chloride	BRL	mg/L	40	4	0.2	D2	08/30/12 11:43	KMK
	1,2-Dichloroethane-d4(surr)	86.4	%	40	70-130			08/30/12 11:43	KMK
	Dibromofluoromethane(surr)	96.6	%	40	70-130			08/30/12 11:43	KMK
	p-Bromofluorobenzene(surr)	96.9	%	40	70-130			08/30/12 11:43	KMK
	Toluene-d8(surr)	99.4	%	40	70-130			08/30/12 11:43	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	50	2.5	7.5	D2	09/04/12 23:12	HW
	2,4,5-Trichlorophenol	BRL	mg/L	50	2.5	400		09/04/12 23:12	HW
	2,4,6-Trichlorophenol	BRL	mg/L	50	2.5	2		09/04/12 23:12	HW
	2,4-Dinitrotoluene	BRL	mg/L	50	2.5	0.13		09/04/12 23:12	HW
	2-Methylphenol	BRL	mg/L	50	2.5	200		09/04/12 23:12	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	OT2 - Liquid Phase	Job Sample ID:	12081165.03
Date Collected:	08/24/12	Sample Matrix	Liquid
Time Collected:	11:10		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	3- & 4-Methylphenols	BRL	mg/L	50	5	200		09/04/12 23:12	HW
	Hexachlorobenzene	BRL	mg/L	50	2.5	0.13		09/04/12 23:12	HW
	Hexachlorobutadiene	BRL	mg/L	50	2.5	0.4		09/04/12 23:12	HW
	Hexachloroethane	BRL	mg/L	50	2.5	3		09/04/12 23:12	HW
	Nitrobenzene	BRL	mg/L	50	2.5	2		09/04/12 23:12	HW
	Pentachlorophenol	BRL	mg/L	50	12.5	100		09/04/12 23:12	HW
	Pyridine	BRL	mg/L	50	2.5	4		09/04/12 23:12	HW
	2-Fluorophenol(surr)	57.5	%	50	15-111			09/04/12 23:12	HW
	Nitrobenzene-d5(surr)	65	%	50	20-120			09/04/12 23:12	HW
	Phenol-d6(surr)	58	%	50	15-120			09/04/12 23:12	HW
	p-Terphenyl-d14(surr)	62	%	50	18-137			09/04/12 23:12	HW
	2,4,6-Tribromophenol(surr)	0	%	50	10-120		S6	09/04/12 23:12	HW
	2-Fluorobiphenyl(surr)	58	%	50	30-115			09/04/12 23:12	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.91	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	20.4	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT2 - Oil Phase

Date Collected: 08/24/12

Time Collected: 11:10

Other Information:

Job Sample ID: 12081165.04

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	342	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT3 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 11:15
Other Information:

Job Sample ID: 12081165.05
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Arsenic	0.12	mg/L	2	0.08	5.0		08/31/12 16:38	GG
	Barium	0.11	mg/L	2	0.08	100.0		08/31/12 16:38	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:38	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 16:38	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:38	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:38	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:38	GG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:26	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	4	0.52	0.6	D2	09/04/12 14:05	KMK
	1,2-Dichloroethane	1.16	mg/L	4	0.52	0.5		09/04/12 14:05	KMK
	1,4-Dichlorobenzene	BRL	mg/L	4	0.6	7.5	D2	09/04/12 14:05	KMK
	Benzene	1.45	mg/L	4	0.52	0.5		09/04/12 14:05	KMK
	Carbon tetrachloride	BRL	mg/L	4	0.52	0.5	D2	09/04/12 14:05	KMK
	Chlorobenzene	BRL	mg/L	4	0.6	70	D2	09/04/12 14:05	KMK
	Chloroform	BRL	mg/L	4	0.52	6	D2	09/04/12 14:05	KMK
	MEK	27.8	mg/L	40	5.2	200		08/30/12 12:15	KMK
	Tetrachloroethylene	BRL	mg/L	4	0.64	0.7	D2	09/04/12 14:05	KMK
	Trichloroethylene	BRL	mg/L	4	0.52	0.5	D2	09/04/12 14:05	KMK
	Vinyl Chloride	BRL	mg/L	4	0.4	0.2	D2	09/04/12 14:05	KMK
	1,2-Dichloroethane-d4(surr)	89.5	%	4	70-130			09/04/12 14:05	KMK
	Dibromofluoromethane(surr)	93.7	%	4	70-130			09/04/12 14:05	KMK
	p-Bromofluorobenzene(surr)	113	%	4	70-130			09/04/12 14:05	KMK
	Toluene-d8(surr)	122	%	4	70-130			09/04/12 14:05	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	10	0.5	7.5	D2	09/04/12 22:26	HW
	2,4,5-Trichlorophenol	BRL	mg/L	10	0.5	400		09/04/12 22:26	HW
	2,4,6-Trichlorophenol	BRL	mg/L	10	0.5	2		09/04/12 22:26	HW
	2,4-Dinitrotoluene	BRL	mg/L	10	0.5	0.13		09/04/12 22:26	HW
	2-Methylphenol	0.776	mg/L	10	0.5	200		09/04/12 22:26	HW
	3- & 4-Methylphenols	BRL	mg/L	10	1	200		09/04/12 22:26	HW
	Hexachlorobenzene	BRL	mg/L	10	0.5	0.13		09/04/12 22:26	HW
	Hexachlorobutadiene	BRL	mg/L	10	0.5	0.4		09/04/12 22:26	HW
	Hexachloroethane	BRL	mg/L	10	0.5	3		09/04/12 22:26	HW
	Nitrobenzene	BRL	mg/L	10	0.5	2		09/04/12 22:26	HW
	Pentachlorophenol	BRL	mg/L	10	2.5	100		09/04/12 22:26	HW
	Pyridine	BRL	mg/L	10	0.5	4		09/04/12 22:26	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT3 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:15

Other Information:

Job Sample ID: 12081165.05

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4,6-Tribromophenol(surr)	71.8	%	10	10-120			09/04/12 22:26	HW
	2-Fluorobiphenyl(surr)	82.5	%	10	30-115			09/04/12 22:26	HW
	2-Fluorophenol(surr)	57.8	%	10	15-111			09/04/12 22:26	HW
	Nitrobenzene-d5(surr)	80.3	%	10	20-120			09/04/12 22:26	HW
	Phenol-d6(surr)	59.4	%	10	15-120			09/04/12 22:26	HW
	p-Terphenyl-d14(surr)	92.4	%	10	18-137			09/04/12 22:26	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT3 - Oil Phase

Date Collected: 08/24/12

Time Collected: 11:15

Other Information:

Job Sample ID: 12081165.06

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	269	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT4 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 11:18
Other Information:

Job Sample ID: 12081165.07
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	8590	mg/L	200	200			09/03/12 09:10	AJ
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 18:44	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 18:44	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 18:44	GG
	Chromium	0.21	mg/L	2	0.08	5.0		08/31/12 18:44	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 18:44	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 18:44	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 18:44	GG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:55	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		08/31/12 16:17	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		08/31/12 16:17	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		08/31/12 16:17	KMK
	Benzene	0.174	mg/L	1	0.13	0.5		08/31/12 16:17	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		08/31/12 16:17	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		08/31/12 16:17	KMK
	Chloroform	BRL	mg/L	1	0.13	6		08/31/12 16:17	KMK
	MEK	2.5	mg/L	4	0.52	200		09/05/12 09:23	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		08/31/12 16:17	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		08/31/12 16:17	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		08/31/12 16:17	KMK
	p-Bromofluorobenzene(surr)	113	%	1	70-130			08/31/12 16:17	KMK
	Toluene-d8(surr)	99.5	%	1	70-130			08/31/12 16:17	KMK
	1,2-Dichloroethane-d4(surr)	94.8	%	1	70-130			08/31/12 16:17	KMK
	Dibromofluoromethane(surr)	101	%	1	70-130			08/31/12 16:17	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	40	2	7.5	D2	09/04/12 23:59	HW
	2,4,5-Trichlorophenol	BRL	mg/L	40	2	400		09/04/12 23:59	HW
	2,4,6-Trichlorophenol	BRL	mg/L	40	2	2		09/04/12 23:59	HW
	2,4-Dinitrotoluene	BRL	mg/L	40	2	0.13		09/04/12 23:59	HW
	2-Methylphenol	BRL	mg/L	40	2	200		09/04/12 23:59	HW
	3- & 4-Methylphenols	4.53	mg/L	40	4	200		09/04/12 23:59	HW
	Hexachlorobenzene	BRL	mg/L	40	2	0.13		09/04/12 23:59	HW
	Hexachlorobutadiene	BRL	mg/L	40	2	0.4		09/04/12 23:59	HW
	Hexachloroethane	BRL	mg/L	40	2	3		09/04/12 23:59	HW
	Nitrobenzene	BRL	mg/L	40	2	2		09/04/12 23:59	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT4 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:18

Other Information:

Job Sample ID: 12081165.07

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Pentachlorophenol	BRL	mg/L	40	10	100		09/04/12 23:59	HW
	Pyridine	BRL	mg/L	40	2	4		09/04/12 23:59	HW
	2-Fluorophenol(surr)	71.6	%	40	15-111			09/04/12 23:59	HW
	Nitrobenzene-d5(surr)	97.6	%	40	20-120			09/04/12 23:59	HW
	Phenol-d6(surr)	69.6	%	40	15-120			09/04/12 23:59	HW
	p-Terphenyl-d14(surr)	129	%	40	18-137			09/04/12 23:59	HW
	2,4,6-Tribromophenol(surr)	92	%	40	10-120			09/04/12 23:59	HW
	2-Fluorobiphenyl(surr)	112	%	40	30-115			09/04/12 23:59	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	OT4 - Oil Phase	Job Sample ID:	12081165.08
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	11:25		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	BRL	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT5 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:32

Other Information:

Job Sample ID: 12081165.09

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	12400	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 17:19	GG
	Barium	0.20	mg/L	2	0.08	100.0		08/31/12 17:19	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 17:19	GG
	Chromium	0.21	mg/L	2	0.08	5.0		08/31/12 17:19	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 17:19	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 17:19	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 17:19	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:29	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6	D2	08/31/12 17:21	KMK
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5	D2	08/31/12 17:21	KMK
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5	D2	08/31/12 17:21	KMK
	Benzene	BRL	mg/L	10	1.3	0.5	D2	08/31/12 17:21	KMK
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5	D2	08/31/12 17:21	KMK
	Chlorobenzene	BRL	mg/L	10	1.5	70	D2	08/31/12 17:21	KMK
	Chloroform	BRL	mg/L	10	1.3	6	D2	08/31/12 17:21	KMK
	MEK	77.1	mg/L	40	5.2	200	E4	08/30/12 13:19	KMK
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7	D2	08/31/12 17:21	KMK
	Trichloroethylene	BRL	mg/L	10	1.3	0.5	D2	08/31/12 17:21	KMK
	Vinyl Chloride	BRL	mg/L	10	1	0.2	D2	08/31/12 17:21	KMK
	p-Bromofluorobenzene(surr)	96.8	%	10	70-130			08/31/12 17:21	KMK
	Toluene-d8(surr)	102	%	10	70-130			08/31/12 17:21	KMK
	1,2-Dichloroethane-d4(surr)	95.9	%	10	70-130			08/31/12 17:21	KMK
	Dibromofluoromethane(surr)	102	%	10	70-130			08/31/12 17:21	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	10	0.5	7.5	D2	09/04/12 20:53	HW
	2,4,5-Trichlorophenol	BRL	mg/L	10	0.5	400		09/04/12 20:53	HW
	2,4,6-Trichlorophenol	BRL	mg/L	10	0.5	2		09/04/12 20:53	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT5 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:32

Other Information:

Job Sample ID: 12081165.09

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	10	0.5	0.13		09/04/12 20:53	HW
	2-Methylphenol	1.3	mg/L	10	0.5	200		09/04/12 20:53	HW
	3- & 4-Methylphenols	5.75	mg/L	10	1	200		09/04/12 20:53	HW
	Hexachlorobenzene	BRL	mg/L	10	0.5	0.13		09/04/12 20:53	HW
	Hexachlorobutadiene	BRL	mg/L	10	0.5	0.4		09/04/12 20:53	HW
	Hexachloroethane	BRL	mg/L	10	0.5	3		09/04/12 20:53	HW
	Nitrobenzene	BRL	mg/L	10	0.5	2		09/04/12 20:53	HW
	Pentachlorophenol	BRL	mg/L	10	2.5	100		09/04/12 20:53	HW
	Pyridine	BRL	mg/L	10	0.5	4		09/04/12 20:53	HW
	2,4,6-Tribromophenol(surr)	64.8	%	10	10-120			09/04/12 20:53	HW
	2-Fluorobiphenyl(surr)	73.9	%	10	30-115			09/04/12 20:53	HW
	2-Fluorophenol(surr)	54.4	%	10	15-111			09/04/12 20:53	HW
	Nitrobenzene-d5(surr)	79.4	%	10	20-120			09/04/12 20:53	HW
	Phenol-d6(surr)	14.2	%	10	15-120		S6	09/04/12 20:53	HW
	p-Terphenyl-d14(surr)	85.8	%	10	18-137			09/04/12 20:53	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.25	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	20.2	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	OT5 - Oil Phase	Job Sample ID:	12081165.10
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	11:32		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	300	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT6 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 11:40
Other Information:

Job Sample ID: 12081165.11
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	9100	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 16:33	GG
	Barium	0.08	mg/L	2	0.08	100.0		08/31/12 16:33	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:33	GG
	Chromium	0.39	mg/L	2	0.08	5.0		08/31/12 16:33	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:33	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:33	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:33	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:01	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	40	5.2	0.6	D2	08/30/12 13:51	KMK
	1,2-Dichloroethane	BRL	mg/L	40	5.2	0.5	D2	08/30/12 13:51	KMK
	1,4-Dichlorobenzene	BRL	mg/L	40	6	7.5	D2	08/30/12 13:51	KMK
	Benzene	BRL	mg/L	40	5.2	0.5	D2	08/30/12 13:51	KMK
	Carbon tetrachloride	BRL	mg/L	40	5.2	0.5	D2	08/30/12 13:51	KMK
	Chlorobenzene	BRL	mg/L	40	6	70	D2	08/30/12 13:51	KMK
	Chloroform	BRL	mg/L	40	5.2	6	D2	08/30/12 13:51	KMK
	MEK	168	mg/L	200	26	200	D2	08/31/12 17:53	KMK
	Tetrachloroethylene	BRL	mg/L	40	6.4	0.7	D2	08/30/12 13:51	KMK
	Trichloroethylene	BRL	mg/L	40	5.2	0.5	D2	08/30/12 13:51	KMK
	Vinyl Chloride	BRL	mg/L	40	4	0.2	D2	08/30/12 13:51	KMK
	1,2-Dichloroethane-d4(surr)	86.8	%	40	70-130			08/30/12 13:51	KMK
	Dibromofluoromethane(surr)	98.5	%	40	70-130			08/30/12 13:51	KMK
	p-Bromofluorobenzene(surr)	96.4	%	40	70-130			08/30/12 13:51	KMK
	Toluene-d8(surr)	98.9	%	40	70-130			08/30/12 13:51	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	10	0.5	7.5	D2	09/04/12 21:39	HW
	2,4,5-Trichlorophenol	BRL	mg/L	10	0.5	400		09/04/12 21:39	HW
	2,4,6-Trichlorophenol	BRL	mg/L	10	0.5	2		09/04/12 21:39	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT6 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:40

Other Information:

Job Sample ID: 12081165.11

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	10	0.5	0.13		09/04/12 21:39	HW
	2-Methylphenol	BRL	mg/L	10	0.5	200		09/04/12 21:39	HW
	3- & 4-Methylphenols	1.41	mg/L	10	1	200		09/04/12 21:39	HW
	Hexachlorobenzene	BRL	mg/L	10	0.5	0.13		09/04/12 21:39	HW
	Hexachlorobutadiene	BRL	mg/L	10	0.5	0.4		09/04/12 21:39	HW
	Hexachloroethane	BRL	mg/L	10	0.5	3		09/04/12 21:39	HW
	Nitrobenzene	BRL	mg/L	10	0.5	2		09/04/12 21:39	HW
	Pentachlorophenol	BRL	mg/L	10	2.5	100		09/04/12 21:39	HW
	Pyridine	BRL	mg/L	10	0.5	4		09/04/12 21:39	HW
	2-Fluorophenol(surr)	28.1	%	10	15-111			09/04/12 21:39	HW
	Nitrobenzene-d5(surr)	47.8	%	10	20-120			09/04/12 21:39	HW
	Phenol-d6(surr)	2.60	%	10	15-120		S6	09/04/12 21:39	HW
	p-Terphenyl-d14(surr)	51.5	%	10	18-137			09/04/12 21:39	HW
	2,4,6-Tribromophenol(surr)	31.1	%	10	10-120			09/04/12 21:39	HW
	2-Fluorobiphenyl(surr)	51.4	%	10	30-115			09/04/12 21:39	HW
SW-846 9040C	Corrosivity, pH								
	pH	2.65	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	20.7	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	OT6 - Oil Phase	Job Sample ID:	12081165.12
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	11:40		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	58	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: FTO1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:45

Other Information:

Job Sample ID: 12081165.13

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	1586	mg/L	200	200			09/03/12 09:10	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 16:17	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 16:17	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:17	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 16:17	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:17	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:17	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:17	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:14	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	4	0.52	0.6	D2	09/05/12 09:55	KMK
	1,2-Dichloroethane	BRL	mg/L	4	0.52	0.5	D2	09/05/12 09:55	KMK
	1,4-Dichlorobenzene	BRL	mg/L	4	0.6	7.5	D2	09/05/12 09:55	KMK
	Benzene	BRL	mg/L	4	0.52	0.5	D2	09/05/12 09:55	KMK
	Carbon tetrachloride	BRL	mg/L	4	0.52	0.5	D2	09/05/12 09:55	KMK
	Chlorobenzene	BRL	mg/L	4	0.6	70	D2	09/05/12 09:55	KMK
	Chloroform	BRL	mg/L	4	0.52	6	D2	09/05/12 09:55	KMK
	MEK	61	mg/L	40	5.2	200	E4	08/30/12 14:23	KMK
	Tetrachloroethylene	BRL	mg/L	4	0.64	0.7	D2	09/05/12 09:55	KMK
	Trichloroethylene	BRL	mg/L	4	0.52	0.5	D2	09/05/12 09:55	KMK
	Vinyl Chloride	BRL	mg/L	4	0.4	0.2	D2	09/05/12 09:55	KMK
	p-Bromofluorobenzene(surr)	106	%	4	70-130			09/05/12 09:55	KMK
	Toluene-d8(surr)	103	%	4	70-130			09/05/12 09:55	KMK
	1,2-Dichloroethane-d4(surr)	91.6	%	4	70-130			09/05/12 09:55	KMK
	Dibromofluoromethane(surr)	93.2	%	4	70-130			09/05/12 09:55	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2	0.1	7.5	D1	08/31/12 02:10	HW
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		08/31/12 02:10	HW
	2,4,6-Trichlorophenol	BRL	mg/L	2	0.1	2		08/31/12 02:10	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: FTO1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:45

Other Information:

Job Sample ID: 12081165.13

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	2	0.1	0.13		08/31/12 02:10	HW
	2-Methylphenol	0.379	mg/L	2	0.1	200		08/31/12 02:10	HW
	3- & 4-Methylphenols	1.34	mg/L	2	0.2	200		08/31/12 02:10	HW
	Hexachlorobenzene	BRL	mg/L	2	0.1	0.13		08/31/12 02:10	HW
	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4		08/31/12 02:10	HW
	Hexachloroethane	BRL	mg/L	2	0.1	3		08/31/12 02:10	HW
	Nitrobenzene	BRL	mg/L	2	0.1	2		08/31/12 02:10	HW
	Pentachlorophenol	BRL	mg/L	2	0.5	100		08/31/12 02:10	HW
	Pyridine	BRL	mg/L	2	0.1	4		08/31/12 02:10	HW
	2,4,6-Tribromophenol(surr)	77.9	%	2	10-120			08/31/12 02:10	HW
	2-Fluorobiphenyl(surr)	72.4	%	2	30-115			08/31/12 02:10	HW
	2-Fluorophenol(surr)	63.7	%	2	15-111			08/31/12 02:10	HW
	Nitrobenzene-d5(surr)	68.1	%	2	20-120			08/31/12 02:10	HW
	Phenol-d6(surr)	56	%	2	15-120			08/31/12 02:10	HW
	p-Terphenyl-d14(surr)	78.5	%	2	18-137			08/31/12 02:10	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.51	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	18.9	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: WT1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:52

Other Information:

Job Sample ID: 12081165.15

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	7416	mg/L	200	200			09/03/12 09:10	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	1.25	mg/L	2	0.08	5.0		08/31/12 16:43	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 16:43	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:43	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 16:43	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:43	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:43	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:43	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:04	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	2	0.26	0.6	D2	09/05/12 10:27	KMK
	1,2-Dichloroethane	BRL	mg/L	2	0.26	0.5	D2	09/05/12 10:27	KMK
	1,4-Dichlorobenzene	BRL	mg/L	2	0.3	7.5	D2	09/05/12 10:27	KMK
	Benzene	0.423	mg/L	2	0.26	0.5	D2	09/05/12 10:27	KMK
	Carbon tetrachloride	BRL	mg/L	2	0.26	0.5	D2	09/05/12 10:27	KMK
	Chlorobenzene	BRL	mg/L	2	0.3	70	D2	09/05/12 10:27	KMK
	Chloroform	BRL	mg/L	2	0.26	6	D2	09/05/12 10:27	KMK
	MEK	14.2	mg/L	40	5.2	200		08/30/12 18:09	KMK
	Tetrachloroethylene	BRL	mg/L	2	0.32	0.7	D2	09/05/12 10:27	KMK
	Trichloroethylene	BRL	mg/L	2	0.26	0.5	D2	09/05/12 10:27	KMK
	Vinyl Chloride	BRL	mg/L	2	0.2	0.2	D2	09/05/12 10:27	KMK
	1,2-Dichloroethane-d4(surr)	94.4	%	2	70-130			09/05/12 10:27	KMK
	Dibromofluoromethane(surr)	93.7	%	2	70-130			09/05/12 10:27	KMK
	p-Bromofluorobenzene(surr)	104	%	2	70-130			09/05/12 10:27	KMK
	Toluene-d8(surr)	104	%	2	70-130			09/05/12 10:27	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2.5	0.125	7.5	D1	09/04/12 17:47	HW
	2,4,5-Trichlorophenol	BRL	mg/L	2.5	0.125	400		09/04/12 17:47	HW
	2,4,6-Trichlorophenol	BRL	mg/L	2.5	0.125	2		09/04/12 17:47	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: WT1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:52

Other Information:

Job Sample ID: 12081165.15

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	2.5	0.125	0.13		09/04/12 17:47	HW
	2-Methylphenol	0.265	mg/L	2.5	0.125	200		09/04/12 17:47	HW
	3- & 4-Methylphenols	0.877	mg/L	2.5	0.25	200		09/04/12 17:47	HW
	Hexachlorobenzene	BRL	mg/L	2.5	0.125	0.13		09/04/12 17:47	HW
	Hexachlorobutadiene	BRL	mg/L	2.5	0.125	0.4		09/04/12 17:47	HW
	Hexachloroethane	BRL	mg/L	2.5	0.125	3		09/04/12 17:47	HW
	Nitrobenzene	BRL	mg/L	2.5	0.125	2		09/04/12 17:47	HW
	Pentachlorophenol	BRL	mg/L	2.5	0.625	100		09/04/12 17:47	HW
	Pyridine	BRL	mg/L	2.5	0.125	4		09/04/12 17:47	HW
	2,4,6-Tribromophenol(surr)	12.8	%	2.5	10-120			09/04/12 17:47	HW
	2-Fluorobiphenyl(surr)	73.1	%	2.5	30-115			09/04/12 17:47	HW
	2-Fluorophenol(surr)	29.2	%	2.5	15-111			09/04/12 17:47	HW
	Nitrobenzene-d5(surr)	78.6	%	2.5	20-120			09/04/12 17:47	HW
	Phenol-d6(surr)	26.5	%	2.5	15-120			09/04/12 17:47	HW
	p-Terphenyl-d14(surr)	67.4	%	2.5	18-137			09/04/12 17:47	HW
SW-846 9040C	Corrosivity, pH								
	pH	8.46	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	18.8	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	WT1 - Oil Phase	Job Sample ID:	12081165.16
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	11:52		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	287	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP1 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 11:58
Other Information:

Job Sample ID: 12081165.17
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	17500	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				08/31/12 08:20	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 19:28	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 19:28	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:28	GG
	Chromium	0.09	mg/L	2	0.08	5.0		08/31/12 19:28	GG
	Lead	0.25	mg/L	2	0.08	5.0		08/31/12 19:28	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:28	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:28	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:29	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6	D2	08/31/12 20:03	KMK
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5	D2	08/31/12 20:03	KMK
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5	D2	08/31/12 20:03	KMK
	Benzene	BRL	mg/L	10	1.3	0.5	D2	08/31/12 20:03	KMK
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5	D2	08/31/12 20:03	KMK
	Chlorobenzene	BRL	mg/L	10	1.5	70	D2	08/31/12 20:03	KMK
	Chloroform	BRL	mg/L	10	1.3	6	D2	08/31/12 20:03	KMK
	MEK	43.9	mg/L	40	5.2	200	D2	08/30/12 18:41	KMK
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7	D2	08/31/12 20:03	KMK
	Trichloroethylene	BRL	mg/L	10	1.3	0.5	D2	08/31/12 20:03	KMK
	Vinyl Chloride	BRL	mg/L	10	1	0.2	D2	08/31/12 20:03	KMK
	1,2-Dichloroethane-d4(surr)	91.3	%	10	70-130			08/31/12 20:03	KMK
	Dibromofluoromethane(surr)	98.9	%	10	70-130			08/31/12 20:03	KMK
	p-Bromofluorobenzene(surr)	95.3	%	10	70-130			08/31/12 20:03	KMK
	Toluene-d8(surr)	101	%	10	70-130			08/31/12 20:03	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2	0.1	7.5	D1	08/31/12 03:40	HW
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		08/31/12 03:40	HW
	2,4,6-Trichlorophenol	BRL	mg/L	2	0.1	2		08/31/12 03:40	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP1 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 11:58

Other Information:

Job Sample ID: 12081165.17

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	2	0.1	0.13		08/31/12 03:40	HW
	2-Methylphenol	0.302	mg/L	2	0.1	200		08/31/12 03:40	HW
	3- & 4-Methylphenols	0.381	mg/L	2	0.2	200		08/31/12 03:40	HW
	Hexachlorobenzene	BRL	mg/L	2	0.1	0.13		08/31/12 03:40	HW
	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4		08/31/12 03:40	HW
	Hexachloroethane	BRL	mg/L	2	0.1	3		08/31/12 03:40	HW
	Nitrobenzene	BRL	mg/L	2	0.1	2		08/31/12 03:40	HW
	Pentachlorophenol	BRL	mg/L	2	0.5	100		08/31/12 03:40	HW
	Pyridine	BRL	mg/L	2	0.1	4		08/31/12 03:40	HW
	2,4,6-Tribromophenol(surr)	79.9	%	2	10-120			08/31/12 03:40	HW
	2-Fluorobiphenyl(surr)	71.6	%	2	30-115			08/31/12 03:40	HW
	2-Fluorophenol(surr)	0	%	2	15-111		S6	08/31/12 03:40	HW
	Nitrobenzene-d5(surr)	77.6	%	2	20-120			08/31/12 03:40	HW
	Phenol-d6(surr)	69.9	%	2	15-120			08/31/12 03:40	HW
	p-Terphenyl-d14(surr)	87.8	%	2	18-137			08/31/12 03:40	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.63	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	19.4	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP2 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:07

Other Information:

Job Sample ID: 12081165.19

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	19500	mg/L	1000	1000			09/05/12 08:33	AJ
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 18:39	GG
	Barium	0.24	mg/L	2	0.08	100.0		08/31/12 18:39	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 18:39	GG
	Chromium	0.24	mg/L	2	0.08	5.0		08/31/12 18:39	GG
	Lead	0.20	mg/L	2	0.08	5.0		08/31/12 18:39	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 18:39	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 18:39	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	64.5	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:33	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	20	2.6	0.6	D2	08/31/12 20:35	KMK
	1,2-Dichloroethane	BRL	mg/L	20	2.6	0.5	D2	08/31/12 20:35	KMK
	1,4-Dichlorobenzene	BRL	mg/L	20	3	7.5	D2	08/31/12 20:35	KMK
	Benzene	4.46	mg/L	20	2.6	0.5	D2	08/31/12 20:35	KMK
	Carbon tetrachloride	BRL	mg/L	20	2.6	0.5	D2	08/31/12 20:35	KMK
	Chlorobenzene	BRL	mg/L	20	3	70	D2	08/31/12 20:35	KMK
	Chloroform	BRL	mg/L	20	2.6	6	D2	08/31/12 20:35	KMK
	MEK	51.4	mg/L	40	5.2	200	E4	08/30/12 19:14	KMK
	Tetrachloroethylene	BRL	mg/L	20	3.2	0.7	D2	08/31/12 20:35	KMK
	Trichloroethylene	BRL	mg/L	20	2.6	0.5	D2	08/31/12 20:35	KMK
	Vinyl Chloride	BRL	mg/L	20	2	0.2	D2	08/31/12 20:35	KMK
	p-Bromofluorobenzene(surr)	104	%	20	70-130			08/31/12 20:35	KMK
	Toluene-d8(surr)	97.5	%	20	70-130			08/31/12 20:35	KMK
	1,2-Dichloroethane-d4(surr)	94.6	%	20	70-130			08/31/12 20:35	KMK
	Dibromofluoromethane(surr)	105	%	20	70-130			08/31/12 20:35	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	60	3	7.5	D2	09/05/12 00:44	HW
	2,4,5-Trichlorophenol	BRL	mg/L	60	3	400		09/05/12 00:44	HW
	2,4,6-Trichlorophenol	BRL	mg/L	60	3	2		09/05/12 00:44	HW
	2,4-Dinitrotoluene	BRL	mg/L	60	3	0.13		09/05/12 00:44	HW
	2-Methylphenol	BRL	mg/L	60	3	200		09/05/12 00:44	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP2 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:07

Other Information:

Job Sample ID: 12081165.19

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	3- & 4-Methylphenols	BRL	mg/L	60	6	200		09/05/12 00:44	HW
	Hexachlorobenzene	BRL	mg/L	60	3	0.13		09/05/12 00:44	HW
	Hexachlorobutadiene	BRL	mg/L	60	3	0.4		09/05/12 00:44	HW
	Hexachloroethane	BRL	mg/L	60	3	3		09/05/12 00:44	HW
	Nitrobenzene	BRL	mg/L	60	3	2		09/05/12 00:44	HW
	Pentachlorophenol	BRL	mg/L	60	15	100		09/05/12 00:44	HW
	Pyridine	BRL	mg/L	60	3	4		09/05/12 00:44	HW
	2-Fluorophenol(surr)	0	%	60	15-111		S6	09/05/12 00:44	HW
	Nitrobenzene-d5(surr)	76.8	%	60	20-120			09/05/12 00:44	HW
	Phenol-d6(surr)	32.4	%	60	15-120			09/05/12 00:44	HW
	p-Terphenyl-d14(surr)	64.2	%	60	18-137			09/05/12 00:44	HW
	2,4,6-Tribromophenol(surr)	0	%	60	10-120		S6	09/05/12 00:44	HW
	2-Fluorobiphenyl(surr)	58.8	%	60	30-115			09/05/12 00:44	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.87	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	23.0	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP2 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:07

Other Information:

Job Sample ID: 12081165.20

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	747	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP3 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 12:15
Other Information:

Job Sample ID: 12081165.21
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	9516	mg/L	200	200			09/03/12 09:10	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 17:08	GG
	Barium	0.24	mg/L	2	0.08	100.0		08/31/12 17:08	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 17:08	GG
	Chromium	0.15	mg/L	2	0.08	5.0		08/31/12 17:08	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 17:08	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 17:08	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 17:08	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:10	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	4	0.52	0.6	D2	08/31/12 21:07	KMK
	1,2-Dichloroethane	BRL	mg/L	4	0.52	0.5	D2	08/31/12 21:07	KMK
	1,4-Dichlorobenzene	BRL	mg/L	4	0.6	7.5	D2	08/31/12 21:07	KMK
	Benzene	0.582	mg/L	4	0.52	0.5	D2	08/31/12 21:07	KMK
	Carbon tetrachloride	BRL	mg/L	4	0.52	0.5	D2	08/31/12 21:07	KMK
	Chlorobenzene	BRL	mg/L	4	0.6	70	D2	08/31/12 21:07	KMK
	Chloroform	BRL	mg/L	4	0.52	6	D2	08/31/12 21:07	KMK
	MEK	29.2	mg/L	40	5.2	200	D2	08/30/12 19:46	KMK
	Tetrachloroethylene	BRL	mg/L	4	0.64	0.7	D2	08/31/12 21:07	KMK
	Trichloroethylene	BRL	mg/L	4	0.52	0.5	D2	08/31/12 21:07	KMK
	Vinyl Chloride	BRL	mg/L	4	0.4	0.2	D2	08/31/12 21:07	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	10	0.5	7.5	D2	09/05/12 15:44	HW
	2,4,5-Trichlorophenol	BRL	mg/L	10	0.5	400		09/05/12 15:44	HW
	2,4,6-Trichlorophenol	BRL	mg/L	10	0.5	2		09/05/12 15:44	HW
	2,4-Dinitrotoluene	BRL	mg/L	10	0.5	0.13		09/05/12 15:44	HW
	2-Methylphenol	3.93	mg/L	10	0.5	200		09/05/12 15:44	HW
	3- & 4-Methylphenols	3.95	mg/L	10	1	200		09/05/12 15:44	HW
	Hexachlorobenzene	BRL	mg/L	10	0.5	0.13		09/05/12 15:44	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP3 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:15

Other Information:

Job Sample ID: 12081165.21

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobutadiene	BRL	mg/L	10	0.5	0.4		09/05/12 15:44	HW
	Hexachloroethane	BRL	mg/L	10	0.5	3		09/05/12 15:44	HW
	Nitrobenzene	BRL	mg/L	10	0.5	2		09/05/12 15:44	HW
	Pentachlorophenol	BRL	mg/L	10	2.5	100		09/05/12 15:44	HW
	Pyridine	BRL	mg/L	10	0.5	4		09/05/12 15:44	HW
	Phenol-d6(surr)	13.6	%	10	15-120		S2	09/05/12 15:44	HW
	p-Terphenyl-d14(surr)	56.1	%	10	18-137			09/05/12 15:44	HW
	2-Fluorophenol(surr)	47.1	%	10	15-111			09/05/12 15:44	HW
	Nitrobenzene-d5(surr)	66.9	%	10	20-120			09/05/12 15:44	HW
	2,4,6-Tribromophenol(surr)	48.3	%	10	10-120			09/05/12 15:44	HW
	2-Fluorobiphenyl(surr)	55.4	%	10	30-115			09/05/12 15:44	HW
SW-846 9040C	Corrosivity, pH								
	pH	3.21	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	20.1	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP3 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:15

Other Information:

Job Sample ID: 12081165.22

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	403	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP4 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 12:22
Other Information:

Job Sample ID: 12081165.23
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	6480	mg/L	200	200			09/03/12 09:10	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 17:24	GG
	Barium	0.10	mg/L	2	0.08	100.0		08/31/12 17:24	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 17:24	GG
	Chromium	0.58	mg/L	2	0.08	5.0		08/31/12 17:24	GG
	Lead	0.15	mg/L	2	0.08	5.0		08/31/12 17:24	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 17:24	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 17:24	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:36	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		08/31/12 21:40	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		08/31/12 21:40	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		08/31/12 21:40	KMK
	Benzene	0.431	mg/L	1	0.13	0.5		08/31/12 21:40	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		08/31/12 21:40	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		08/31/12 21:40	KMK
	Chloroform	2.97	mg/L	10	1.3	6		09/04/12 16:18	KMK
	MEK	8.03	mg/L	10	1.3	200		09/04/12 16:18	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		08/31/12 21:40	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		08/31/12 21:40	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		08/31/12 21:40	KMK
	1,2-Dichloroethane-d4(surr)	88.3	%	1	70-130			08/31/12 21:40	KMK
	Dibromofluoromethane(surr)	96.7	%	1	70-130			08/31/12 21:40	KMK
	p-Bromofluorobenzene(surr)	97.3	%	1	70-130			08/31/12 21:40	KMK
	Toluene-d8(surr)	102	%	1	70-130			08/31/12 21:40	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	40	2	7.5	D2	09/05/12 01:28	HW
	2,4,5-Trichlorophenol	BRL	mg/L	40	2	400		09/05/12 01:28	HW
	2,4,6-Trichlorophenol	BRL	mg/L	40	2	2		09/05/12 01:28	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP4 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:22

Other Information:

Job Sample ID: 12081165.23

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	40	2	0.13		09/05/12 01:28	HW
	2-Methylphenol	BRL	mg/L	40	2	200		09/05/12 01:28	HW
	3- & 4-Methylphenols	BRL	mg/L	40	4	200		09/05/12 01:28	HW
	Hexachlorobenzene	BRL	mg/L	40	2	0.13		09/05/12 01:28	HW
	Hexachlorobutadiene	BRL	mg/L	40	2	0.4		09/05/12 01:28	HW
	Hexachloroethane	BRL	mg/L	40	2	3		09/05/12 01:28	HW
	Nitrobenzene	BRL	mg/L	40	2	2		09/05/12 01:28	HW
	Pentachlorophenol	BRL	mg/L	40	10	100		09/05/12 01:28	HW
	Pyridine	BRL	mg/L	40	2	4		09/05/12 01:28	HW
	2-Fluorophenol(surr)	10.4	%	40	15-111		S6	09/05/12 01:28	HW
	Nitrobenzene-d5(surr)	64.8	%	40	20-120			09/05/12 01:28	HW
	2,4,6-Tribromophenol(surr)	0	%	40	10-120		S6	09/05/12 01:28	HW
	2-Fluorobiphenyl(surr)	56	%	40	30-115			09/05/12 01:28	HW
	Phenol-d6(surr)	49.2	%	40	15-120			09/05/12 01:28	HW
	p-Terphenyl-d14(surr)	78.8	%	40	18-137			09/05/12 01:28	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.77	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	17.7	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP5 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:30

Other Information:

Job Sample ID: 12081165.26

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		09/04/12 23:15	GG
	Barium	0.11	mg/L	1	0.04	100.0		09/04/12 23:15	GG
	Cadmium	BRL	mg/L	1	0.04	1.0		09/04/12 23:15	GG
	Chromium	BRL	mg/L	1	0.04	5.0		09/04/12 23:15	GG
	Lead	BRL	mg/L	1	0.04	5.0		09/04/12 23:15	GG
	Selenium	BRL	mg/L	1	0.1	1.0		09/04/12 23:15	GG
	Silver	BRL	mg/L	1	0.04	5.0		09/04/12 23:15	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/Kg	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/Kg	1	25			09/03/12 09:00	SG
SW-846 7470A	TCLP Mercury								
	Mercury	BRL	mg/L	2	0.001	0.2	D1	09/04/12 13:25	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		09/06/12 09:26	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		09/06/12 09:26	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		09/06/12 09:26	KMK
	Benzene	BRL	mg/L	1	0.13	0.5		09/06/12 09:26	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		09/06/12 09:26	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		09/06/12 09:26	KMK
	Chloroform	BRL	mg/L	1	0.13	6		09/06/12 09:26	KMK
	MEK	BRL	mg/L	1	0.13	200		09/06/12 09:26	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		09/06/12 09:26	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		09/06/12 09:26	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		09/06/12 09:26	KMK
	1,2-Dichloroethane-d4(surr)	102	%	1	70-130			09/06/12 09:26	KMK
	Dibromofluoromethane(surr)	103	%	1	70-130			09/06/12 09:26	KMK
	p-Bromofluorobenzene(surr)	96.9	%	1	70-130			09/06/12 09:26	KMK
	Toluene-d8(surr)	101	%	1	70-130			09/06/12 09:26	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	30	1.5	7.5	D2	09/04/12 19:59	HW
	2,4,5-Trichlorophenol	BRL	mg/L	30	1.5	400		09/04/12 19:59	HW
	2,4,6-Trichlorophenol	BRL	mg/L	30	1.5	2		09/04/12 19:59	HW
	2,4-Dinitrotoluene	BRL	mg/L	30	1.5	0.13		09/04/12 19:59	HW
	2-Methylphenol	BRL	mg/L	30	1.5	200		09/04/12 19:59	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP5 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:30

Other Information:

Job Sample ID: 12081165.26

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	3- & 4-Methylphenols	BRL	mg/L	30	3	200		09/04/12 19:59	HW
	Hexachlorobenzene	BRL	mg/L	30	1.5	0.13		09/04/12 19:59	HW
	Hexachlorobutadiene	BRL	mg/L	30	1.5	0.4		09/04/12 19:59	HW
	Hexachloroethane	BRL	mg/L	30	1.5	3		09/04/12 19:59	HW
	Nitrobenzene	BRL	mg/L	30	1.5	2		09/04/12 19:59	HW
	Pentachlorophenol	BRL	mg/L	30	7.5	100		09/04/12 19:59	HW
	Pyridine	BRL	mg/L	30	1.5	4		09/04/12 19:59	HW
	2,4,6-Tribromophenol(surr)	102	%	30	10-120			09/04/12 19:59	HW
	2-Fluorobiphenyl(surr)	96.9	%	30	30-115			09/04/12 19:59	HW
	2-Fluorophenol(surr)	54	%	30	20-115			09/04/12 19:59	HW
	Nitrobenzene-d5(surr)	86.7	%	30	20-120			09/04/12 19:59	HW
	Phenol-d6(surr)	39	%	30	15-120			09/04/12 19:59	HW
	p-Terphenyl-d14(surr)	120	%	30	30-140			09/04/12 19:59	HW
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	402	mg/Kg	1.14	28.5			09/04/12 10:00	JP
SW-846 9045D	Corrosivity, pH								
	pH	8.19	s.u.					09/05/12 16:00	DDL
	Temperature when read, °C[1]	26.6	s.u.					09/05/12 16:00	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP6 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 12:35
Other Information:

Job Sample ID: 12081165.27
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	20600	mg/L	1000	1000			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 19:38	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 19:38	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:38	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 19:38	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 19:38	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:38	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:38	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	85.1	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	40	0.02	0.2	D1	08/31/12 14:23	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	40	5.2	0.6	D2	08/30/12 21:56	KMK
	1,2-Dichloroethane	BRL	mg/L	40	5.2	0.5	D2	08/30/12 21:56	KMK
	1,4-Dichlorobenzene	BRL	mg/L	40	6	7.5	D2	08/30/12 21:56	KMK
	Benzene	28.2	mg/L	40	5.2	0.5	D2	08/30/12 21:56	KMK
	Carbon tetrachloride	BRL	mg/L	40	5.2	0.5	D2	08/30/12 21:56	KMK
	Chlorobenzene	BRL	mg/L	40	6	70	D2	08/30/12 21:56	KMK
	Chloroform	BRL	mg/L	40	5.2	6	D2	08/30/12 21:56	KMK
	MEK	219	mg/L	200	26	200	D2	08/31/12 22:12	KMK
	Tetrachloroethylene	BRL	mg/L	40	6.4	0.7	D2	08/30/12 21:56	KMK
	Trichloroethylene	BRL	mg/L	40	5.2	0.5	D2	08/30/12 21:56	KMK
	Vinyl Chloride	BRL	mg/L	40	4	0.2	D2	08/30/12 21:56	KMK
	1,2-Dichloroethane-d4(surr)	97.6	%	40	70-130			08/30/12 21:56	KMK
	Dibromofluoromethane(surr)	98	%	40	70-130			08/30/12 21:56	KMK
	p-Bromofluorobenzene(surr)	116	%	40	70-130			08/30/12 21:56	KMK
	Toluene-d8(surr)	97.8	%	40	70-130			08/30/12 21:56	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	400	20	7.5	D2	09/05/12 02:13	HW
	2,4,5-Trichlorophenol	BRL	mg/L	400	20	400		09/05/12 02:13	HW
	2,4,6-Trichlorophenol	BRL	mg/L	400	20	2		09/05/12 02:13	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP6 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:35

Other Information:

Job Sample ID: 12081165.27

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	400	20	0.13		09/05/12 02:13	HW
	2-Methylphenol	BRL	mg/L	400	20	200		09/05/12 02:13	HW
	3- & 4-Methylphenols	BRL	mg/L	400	40	200		09/05/12 02:13	HW
	Hexachlorobenzene	BRL	mg/L	400	20	0.13		09/05/12 02:13	HW
	Hexachlorobutadiene	BRL	mg/L	400	20	0.4		09/05/12 02:13	HW
	Hexachloroethane	BRL	mg/L	400	20	3		09/05/12 02:13	HW
	Nitrobenzene	BRL	mg/L	400	20	2		09/05/12 02:13	HW
	Pentachlorophenol	BRL	mg/L	400	100	100		09/05/12 02:13	HW
	Pyridine	BRL	mg/L	400	20	4		09/05/12 02:13	HW
	Phenol-d6(surr)	26	%	400	15-120			09/05/12 02:13	HW
	p-Terphenyl-d14(surr)	52	%	400	18-137			09/05/12 02:13	HW
	2,4,6-Tribromophenol(surr)	0	%	400	10-120		S6	09/05/12 02:13	HW
	2-Fluorobiphenyl(surr)	50	%	400	30-115			09/05/12 02:13	HW
	2-Fluorophenol(surr)	0	%	400	15-111		S6	09/05/12 02:13	HW
	Nitrobenzene-d5(surr)	65	%	400	20-120			09/05/12 02:13	HW
SW-846 9040C	Corrosivity, pH								
	pH	5.17	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	18.6	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP6 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:35

Other Information:

Job Sample ID: 12081165.28

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	197	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP7 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:40

Other Information:

Job Sample ID: 12081165.29

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	1066	mg/L	200	200			09/03/12 09:10	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 19:43	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 19:43	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:43	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 19:43	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 19:43	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:43	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:43	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:26	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	4	0.52	0.6	D2	08/31/12 22:44	KMK
	1,2-Dichloroethane	BRL	mg/L	4	0.52	0.5	D2	08/31/12 22:44	KMK
	1,4-Dichlorobenzene	BRL	mg/L	4	0.6	7.5	D2	08/31/12 22:44	KMK
	Benzene	0.551	mg/L	4	0.52	0.5		08/31/12 22:44	KMK
	Carbon tetrachloride	BRL	mg/L	4	0.52	0.5	D2	08/31/12 22:44	KMK
	Chlorobenzene	BRL	mg/L	4	0.6	70	D2	08/31/12 22:44	KMK
	Chloroform	BRL	mg/L	4	0.52	6	D2	08/31/12 22:44	KMK
	MEK	19.8	mg/L	40	5.2	200		08/30/12 22:28	KMK
	Tetrachloroethylene	BRL	mg/L	4	0.64	0.7	D2	08/31/12 22:44	KMK
	Trichloroethylene	BRL	mg/L	4	0.52	0.5	D2	08/31/12 22:44	KMK
	Vinyl Chloride	BRL	mg/L	4	0.4	0.2	D2	08/31/12 22:44	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2.5	0.125	7.5	D1	09/04/12 19:20	HW
	2,4,5-Trichlorophenol	BRL	mg/L	2.5	0.125	400		09/04/12 19:20	HW
	2,4,6-Trichlorophenol	BRL	mg/L	2.5	0.125	2		09/04/12 19:20	HW
	2,4-Dinitrotoluene	BRL	mg/L	2.5	0.125	0.13		09/04/12 19:20	HW
	2-Methylphenol	0.485	mg/L	2.5	0.125	200		09/04/12 19:20	HW
	3- & 4-Methylphenols	1.55	mg/L	2.5	0.25	200		09/04/12 19:20	HW
	Hexachlorobenzene	BRL	mg/L	2.5	0.125	0.13		09/04/12 19:20	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP7 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:40

Other Information:

Job Sample ID: 12081165.29

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Hexachlorobutadiene	BRL	mg/L	2.5	0.125	0.4		09/04/12 19:20	HW
	Hexachloroethane	BRL	mg/L	2.5	0.125	3		09/04/12 19:20	HW
	Nitrobenzene	BRL	mg/L	2.5	0.125	2		09/04/12 19:20	HW
	Pentachlorophenol	BRL	mg/L	2.5	0.625	100		09/04/12 19:20	HW
	Pyridine	BRL	mg/L	2.5	0.125	4		09/04/12 19:20	HW
	2-Fluorophenol(surr)	59.2	%	2.5	15-111			09/04/12 19:20	HW
	Nitrobenzene-d5(surr)	78.7	%	2.5	20-120			09/04/12 19:20	HW
	Phenol-d6(surr)	45.7	%	2.5	15-120			09/04/12 19:20	HW
	p-Terphenyl-d14(surr)	61.9	%	2.5	18-137			09/04/12 19:20	HW
	2,4,6-Tribromophenol(surr)	79.9	%	2.5	10-120			09/04/12 19:20	HW
	2-Fluorobiphenyl(surr)	75	%	2.5	30-115			09/04/12 19:20	HW
SW-846 9040C	Corrosivity, pH								
	pH	8.11	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	21.1	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP7 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:40

Other Information:

Job Sample ID: 12081165.30

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	583	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP8 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:42

Other Information:

Job Sample ID: 12081165.32

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	1	0.04	5.0		09/04/12 23:21	GG
	Barium	0.54	mg/L	1	0.04	100.0		09/04/12 23:21	GG
	Cadmium	BRL	mg/L	1	0.04	1.0		09/04/12 23:21	GG
	Chromium	BRL	mg/L	1	0.04	5.0		09/04/12 23:21	GG
	Lead	BRL	mg/L	1	0.04	5.0		09/04/12 23:21	GG
	Selenium	BRL	mg/L	1	0.1	1.0		09/04/12 23:21	GG
	Silver	BRL	mg/L	1	0.04	5.0		09/04/12 23:21	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/Kg	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	291.5	mg/Kg	1	25			09/03/12 09:00	SG
SW-846 7470A	TCLP Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		09/04/12 13:56	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		09/05/12 16:24	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		09/05/12 16:24	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		09/05/12 16:24	KMK
	Benzene	BRL	mg/L	1	0.13	0.5		09/05/12 16:24	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		09/05/12 16:24	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		09/05/12 16:24	KMK
	Chloroform	BRL	mg/L	1	0.13	6		09/05/12 16:24	KMK
	MEK	BRL	mg/L	1	0.13	200		09/05/12 16:24	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		09/05/12 16:24	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		09/05/12 16:24	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		09/05/12 16:24	KMK
	1,2-Dichloroethane-d4(surr)	90.3	%	1	70-130			09/05/12 16:24	KMK
	Dibromofluoromethane(surr)	102	%	1	70-130			09/05/12 16:24	KMK
	p-Bromofluorobenzene(surr)	96	%	1	70-130			09/05/12 16:24	KMK
	Toluene-d8(surr)	99.2	%	1	70-130			09/05/12 16:24	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	20	1	7.5	D2	09/04/12 20:24	HW
	2,4,5-Trichlorophenol	BRL	mg/L	20	1	400		09/04/12 20:24	HW
	2,4,6-Trichlorophenol	BRL	mg/L	20	1	2		09/04/12 20:24	HW
	2,4-Dinitrotoluene	BRL	mg/L	20	1	0.13		09/04/12 20:24	HW
	2-Methylphenol	BRL	mg/L	20	1	200		09/04/12 20:24	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: NP8 - Oil Phase

Date Collected: 08/24/12

Time Collected: 12:42

Other Information:

Job Sample ID: 12081165.32

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	3- & 4-Methylphenols	BRL	mg/L	20	2	200		09/04/12 20:24	HW
	Hexachlorobenzene	BRL	mg/L	20	1	0.13		09/04/12 20:24	HW
	Hexachlorobutadiene	BRL	mg/L	20	1	0.4		09/04/12 20:24	HW
	Hexachloroethane	BRL	mg/L	20	1	3		09/04/12 20:24	HW
	Nitrobenzene	BRL	mg/L	20	1	2		09/04/12 20:24	HW
	Pentachlorophenol	BRL	mg/L	20	5	100		09/04/12 20:24	HW
	Pyridine	BRL	mg/L	20	1	4		09/04/12 20:24	HW
	2,4,6-Tribromophenol(surr)	98.6	%	20	10-120			09/04/12 20:24	HW
	2-Fluorobiphenyl(surr)	102	%	20	30-115			09/04/12 20:24	HW
	2-Fluorophenol(surr)	48.8	%	20	20-115			09/04/12 20:24	HW
	Nitrobenzene-d5(surr)	85	%	20	20-120			09/04/12 20:24	HW
	Phenol-d6(surr)	35.4	%	20	15-120			09/04/12 20:24	HW
	p-Terphenyl-d14(surr)	114	%	20	30-140			09/04/12 20:24	HW
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	665	mg/Kg	1.14	28.5			09/04/12 10:00	JP
SW-846 9045D	Corrosivity, pH								
	pH	7.23	s.u.					09/05/12 16:00	DDL
	Temperature when read, °C[1]	26.4	s.u.					09/05/12 16:00	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: 1002 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 12:52
Other Information:

Job Sample ID: 12081165.33
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	987	mg/L	200	200			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 16:49	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 16:49	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 16:49	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 16:49	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 16:49	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 16:49	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 16:49	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/30/12 17:07	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		08/31/12 23:16	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		08/31/12 23:16	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		08/31/12 23:16	KMK
	Benzene	BRL	mg/L	1	0.13	0.5		08/31/12 23:16	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		08/31/12 23:16	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		08/31/12 23:16	KMK
	Chloroform	BRL	mg/L	1	0.13	6		08/31/12 23:16	KMK
	MEK	0.647	mg/L	1	0.13	200		08/31/12 23:16	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		08/31/12 23:16	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		08/31/12 23:16	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		08/31/12 23:16	KMK
	p-Bromofluorobenzene(surr)	96.6	%	1	70-130			08/31/12 23:16	KMK
	Toluene-d8(surr)	100	%	1	70-130			08/31/12 23:16	KMK
	1,2-Dichloroethane-d4(surr)	85.6	%	1	70-130			08/31/12 23:16	KMK
	Dibromofluoromethane(surr)	98.7	%	1	70-130			08/31/12 23:16	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	2	0.1	7.5	D1	08/31/12 02:55	HW
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		08/31/12 02:55	HW
	2,4,6-Trichlorophenol	0.2	mg/L	2	0.1	2		08/31/12 02:55	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: 1002 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:52

Other Information:

Job Sample ID: 12081165.33

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	2	0.1	0.13		08/31/12 02:55	HW
	2-Methylphenol	0.181	mg/L	2	0.1	200		08/31/12 02:55	HW
	3- & 4-Methylphenols	0.288	mg/L	2	0.2	200		08/31/12 02:55	HW
	Hexachlorobenzene	BRL	mg/L	2	0.1	0.13		08/31/12 02:55	HW
	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4		08/31/12 02:55	HW
	Hexachloroethane	BRL	mg/L	2	0.1	3		08/31/12 02:55	HW
	Nitrobenzene	BRL	mg/L	2	0.1	2		08/31/12 02:55	HW
	Pentachlorophenol	BRL	mg/L	2	0.5	100		08/31/12 02:55	HW
	Pyridine	BRL	mg/L	2	0.1	4		08/31/12 02:55	HW
	2,4,6-Tribromophenol(surr)	93	%	2	10-120			08/31/12 02:55	HW
	2-Fluorobiphenyl(surr)	87.7	%	2	30-115			08/31/12 02:55	HW
	2-Fluorophenol(surr)	59.8	%	2	15-111			08/31/12 02:55	HW
	Nitrobenzene-d5(surr)	87.1	%	2	20-120			08/31/12 02:55	HW
	Phenol-d6(surr)	48.5	%	2	15-120			08/31/12 02:55	HW
	p-Terphenyl-d14(surr)	101	%	2	18-137			08/31/12 02:55	HW
SW-846 9040C	Corrosivity, pH								
	pH	5.04	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	22.1	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	1002 - Oil Phase	Job Sample ID:	12081165.34
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	12:52		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	286	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: 1004 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 12:55
Other Information:

Job Sample ID: 12081165.35
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	12600	mg/L	400	400			09/05/12 08:33	AJ
SW-846 6010C	TCLP Metals								
	Arsenic	0.18	mg/L	2	0.08	5.0		08/31/12 19:07	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 19:07	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:07	GG
	Chromium	0.21	mg/L	2	0.08	5.0		08/31/12 19:07	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 19:07	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:07	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:07	GG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:48	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		08/31/12 23:49	KMK
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		08/31/12 23:49	KMK
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		08/31/12 23:49	KMK
	Benzene	BRL	mg/L	1	0.13	0.5		08/31/12 23:49	KMK
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		08/31/12 23:49	KMK
	Chlorobenzene	BRL	mg/L	1	0.15	70		08/31/12 23:49	KMK
	Chloroform	BRL	mg/L	1	0.13	6		08/31/12 23:49	KMK
	MEK	2.52	mg/L	4	0.52	200		09/04/12 16:50	KMK
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		08/31/12 23:49	KMK
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		08/31/12 23:49	KMK
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		08/31/12 23:49	KMK
	p-Bromofluorobenzene(surr)	98.6	%	1	70-130			08/31/12 23:49	KMK
	Toluene-d8(surr)	95.2	%	1	70-130			08/31/12 23:49	KMK
	1,2-Dichloroethane-d4(surr)	92.1	%	1	70-130			08/31/12 23:49	KMK
	Dibromofluoromethane(surr)	101	%	1	70-130			08/31/12 23:49	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	4200	210	7.5	D2	09/05/12 14:13	HW
	2,4,5-Trichlorophenol	BRL	mg/L	4200	210	400		09/05/12 14:13	HW
	2,4,6-Trichlorophenol	BRL	mg/L	4200	210	2		09/05/12 14:13	HW
	2,4-Dinitrotoluene	BRL	mg/L	4200	210	0.13		09/05/12 14:13	HW
	2-Methylphenol	957	mg/L	4200	210	200		09/05/12 14:13	HW
	3- & 4-Methylphenols	429	mg/L	4200	420	200		09/05/12 14:13	HW
	Hexachlorobenzene	BRL	mg/L	4200	210	0.13		09/05/12 14:13	HW
	Hexachlorobutadiene	BRL	mg/L	4200	210	0.4		09/05/12 14:13	HW
	Hexachloroethane	BRL	mg/L	4200	210	3		09/05/12 14:13	HW
	Nitrobenzene	BRL	mg/L	4200	210	2		09/05/12 14:13	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: 1004 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 12:55

Other Information:

Job Sample ID: 12081165.35

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	Pentachlorophenol	BRL	mg/L	4200	1050	100		09/05/12 14:13	HW
	Pyridine	BRL	mg/L	4200	210	4		09/05/12 14:13	HW
	2-Fluorophenol(surr)	0	%	4200	15-111		S4	09/05/12 14:13	HW
	Nitrobenzene-d5(surr)	0	%	4200	20-120		S4	09/05/12 14:13	HW
	Phenol-d6(surr)	0	%	4200	15-120		S4	09/05/12 14:13	HW
	p-Terphenyl-d14(surr)	0	%	4200	18-137		S4	09/05/12 14:13	HW
	2,4,6-Tribromophenol(surr)	0	%	4200	10-120		S4	09/05/12 14:13	HW
	2-Fluorobiphenyl(surr)	0	%	4200	30-115		S4	09/05/12 14:13	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	1004 - Oil Phase	Job Sample ID:	12081165.36
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	12:55		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	401	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT7 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 13:01

Other Information:

Job Sample ID: 12081165.37

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	11800	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	0.08	mg/L	2	0.08	5.0		08/31/12 19:13	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 19:13	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:13	GG
	Chromium	0.13	mg/L	2	0.08	5.0		08/31/12 19:13	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 19:13	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:13	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:13	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:36	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6	D2	09/01/12 00:21	KMK
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:21	KMK
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5	D2	09/01/12 00:21	KMK
	Benzene	3.6	mg/L	10	1.3	0.5	D2	09/01/12 00:21	KMK
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:21	KMK
	Chlorobenzene	BRL	mg/L	10	1.5	70	D2	09/01/12 00:21	KMK
	Chloroform	BRL	mg/L	10	1.3	6	D2	09/01/12 00:21	KMK
	MEK	58.4	mg/L	40	5.2	200	D2	08/31/12 10:54	KMK
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7	D2	09/01/12 00:21	KMK
	Trichloroethylene	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:21	KMK
	Vinyl Chloride	BRL	mg/L	10	1	0.2	D2	09/01/12 00:21	KMK
	1,2-Dichloroethane-d4(surr)	101	%	10	70-130			09/01/12 00:21	KMK
	Dibromofluoromethane(surr)	105	%	10	70-130			09/01/12 00:21	KMK
	p-Bromofluorobenzene(surr)	98.1	%	10	70-130			09/01/12 00:21	KMK
	Toluene-d8(surr)	102	%	10	70-130			09/01/12 00:21	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	50	2.5	7.5	D2	09/05/12 16:28	HW
	2,4,5-Trichlorophenol	BRL	mg/L	50	2.5	400		09/05/12 16:28	HW
	2,4,6-Trichlorophenol	BRL	mg/L	50	2.5	2		09/05/12 16:28	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT7 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 13:01

Other Information:

Job Sample ID: 12081165.37

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	50	2.5	0.13		09/05/12 16:28	HW
	2-Methylphenol	6.99	mg/L	50	2.5	200		09/05/12 16:28	HW
	3- & 4-Methylphenols	31.4	mg/L	50	5	200		09/05/12 16:28	HW
	Hexachlorobenzene	BRL	mg/L	50	2.5	0.13		09/05/12 16:28	HW
	Hexachlorobutadiene	BRL	mg/L	50	2.5	0.4		09/05/12 16:28	HW
	Hexachloroethane	BRL	mg/L	50	2.5	3		09/05/12 16:28	HW
	Nitrobenzene	BRL	mg/L	50	2.5	2		09/05/12 16:28	HW
	Pentachlorophenol	BRL	mg/L	50	12.5	100		09/05/12 16:28	HW
	Pyridine	BRL	mg/L	50	2.5	4		09/05/12 16:28	HW
	Phenol-d6(surr)	80.5	%	50	15-120			09/05/12 16:28	HW
	p-Terphenyl-d14(surr)	61	%	50	18-137			09/05/12 16:28	HW
	2,4,6-Tribromophenol(surr)	50.5	%	50	10-120			09/05/12 16:28	HW
	2-Fluorobiphenyl(surr)	65.5	%	50	30-115			09/05/12 16:28	HW
	2-Fluorophenol(surr)	31.5	%	50	15-111			09/05/12 16:28	HW
	Nitrobenzene-d5(surr)	77	%	50	20-120			09/05/12 16:28	HW
SW-846 9040C	Corrosivity, pH								
	pH	4.62	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	23.0	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT7 - Oil Phase

Date Collected: 08/24/12

Time Collected: 13:01

Other Information:

Job Sample ID: 12081165.38

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	295	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT8 - Liquid Phase
Date Collected: 08/24/12
Time Collected: 13:07
Other Information:

Job Sample ID: 12081165.39
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	9010	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0		08/31/12 17:13	GG
	Barium	BRL	mg/L	2	0.08	100.0		08/31/12 17:13	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 17:13	GG
	Chromium	BRL	mg/L	2	0.08	5.0		08/31/12 17:13	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 17:13	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 17:13	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 17:13	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	40	0.02	0.2	D1	08/30/12 17:32	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	10	1.3	0.6	D2	09/01/12 00:53	KMK
	1,2-Dichloroethane	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:53	KMK
	1,4-Dichlorobenzene	BRL	mg/L	10	1.5	7.5	D2	09/01/12 00:53	KMK
	Benzene	5.65	mg/L	10	1.3	0.5		09/01/12 00:53	KMK
	Carbon tetrachloride	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:53	KMK
	Chlorobenzene	BRL	mg/L	10	1.5	70	D2	09/01/12 00:53	KMK
	Chloroform	BRL	mg/L	10	1.3	6	D2	09/01/12 00:53	KMK
	MEK	11.4	mg/L	10	1.3	200		09/01/12 00:53	KMK
	Tetrachloroethylene	BRL	mg/L	10	1.6	0.7	D2	09/01/12 00:53	KMK
	Trichloroethylene	BRL	mg/L	10	1.3	0.5	D2	09/01/12 00:53	KMK
	Vinyl Chloride	BRL	mg/L	10	1	0.2	D2	09/01/12 00:53	KMK
	p-Bromofluorobenzene(surr)	97	%	10	70-130			09/01/12 00:53	KMK
	Toluene-d8(surr)	103	%	10	70-130			09/01/12 00:53	KMK
	1,2-Dichloroethane-d4(surr)	98.3	%	10	70-130			09/01/12 00:53	KMK
	Dibromofluoromethane(surr)	106	%	10	70-130			09/01/12 00:53	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	250	12.5	7.5	D2	09/05/12 14:57	HW
	2,4,5-Trichlorophenol	BRL	mg/L	250	12.5	400		09/05/12 14:57	HW
	2,4,6-Trichlorophenol	BRL	mg/L	250	12.5	2		09/05/12 14:57	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT8 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 13:07

Other Information:

Job Sample ID: 12081165.39

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	250	12.5	0.13		09/05/12 14:57	HW
	2-Methylphenol	20.1	mg/L	250	12.5	200		09/05/12 14:57	HW
	3- & 4-Methylphenols	89	mg/L	250	25	200		09/05/12 14:57	HW
	Hexachlorobenzene	BRL	mg/L	250	12.5	0.13		09/05/12 14:57	HW
	Hexachlorobutadiene	BRL	mg/L	250	12.5	0.4		09/05/12 14:57	HW
	Hexachloroethane	BRL	mg/L	250	12.5	3		09/05/12 14:57	HW
	Nitrobenzene	BRL	mg/L	250	12.5	2		09/05/12 14:57	HW
	Pentachlorophenol	BRL	mg/L	250	62.5	100		09/05/12 14:57	HW
	Pyridine	BRL	mg/L	250	12.5	4		09/05/12 14:57	HW
	2-Fluorophenol(surr)	0	%	250	15-111		S2	09/05/12 14:57	HW
	Nitrobenzene-d5(surr)	92.5	%	250	20-120			09/05/12 14:57	HW
	Phenol-d6(surr)	0	%	250	15-120		S2	09/05/12 14:57	HW
	p-Terphenyl-d14(surr)	35	%	250	18-137			09/05/12 14:57	HW
	2,4,6-Tribromophenol(surr)	0	%	250	10-120		S2	09/05/12 14:57	HW
	2-Fluorobiphenyl(surr)	32.5	%	250	30-115			09/05/12 14:57	HW
SW-846 9040C	Corrosivity, pH								
	pH	5.90	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	24.2	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT8 - Oil Phase

Date Collected: 08/24/12

Time Collected: 13:07

Other Information:

Job Sample ID: 12081165.40

Sample Matrix Oil

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	128	mg/Kg	1.14	28.5			09/04/12 10:00	JP

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT9 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 13:13

Other Information:

Job Sample ID: 12081165.41

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 5310B	Total Organic Carbon								
	TOC	13300	mg/L	400	400			09/05/12 08:33	AJ
SW-846 1010A	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				09/05/12 08:35	KS
SW-846 6010C	TCLP Metals								
	Arsenic	0.24	mg/L	2	0.08	5.0		08/31/12 19:22	GG
	Barium	0.30	mg/L	2	0.08	100.0		08/31/12 19:22	GG
	Cadmium	BRL	mg/L	2	0.08	1.0		08/31/12 19:22	GG
	Chromium	0.23	mg/L	2	0.08	5.0		08/31/12 19:22	GG
	Lead	BRL	mg/L	2	0.08	5.0		08/31/12 19:22	GG
	Selenium	BRL	mg/L	2	0.2	1.0		08/31/12 19:22	GG
	Silver	BRL	mg/L	2	0.08	5.0		08/31/12 19:22	GG
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide[1]	BRL	mg/L	1	25			09/03/12 08:01	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide[1]	BRL	mg/L	1	25			09/03/12 08:00	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	20	0.01	0.2	D1	08/31/12 14:51	PRK
SW-846 8260C	TCLP VOC								
	1,1-Dichloroethylene	BRL	mg/L	200	26	0.6	D2	09/01/12 01:26	KMK
	1,2-Dichloroethane	BRL	mg/L	200	26	0.5	D2	09/01/12 01:26	KMK
	1,4-Dichlorobenzene	BRL	mg/L	200	30	7.5	D2	09/01/12 01:26	KMK
	Benzene	24.5	mg/L	40	5.2	0.5		08/31/12 11:58	KMK
	Carbon tetrachloride	BRL	mg/L	200	26	0.5	D2	09/01/12 01:26	KMK
	Chlorobenzene	BRL	mg/L	200	30	70	D2	09/01/12 01:26	KMK
	Chloroform	BRL	mg/L	200	26	6	D2	09/01/12 01:26	KMK
	MEK	134	mg/L	200	26	200		09/01/12 01:26	KMK
	Tetrachloroethylene	BRL	mg/L	200	32	0.7	D2	09/01/12 01:26	KMK
	Trichloroethylene	BRL	mg/L	200	26	0.5	D2	09/01/12 01:26	KMK
	Vinyl Chloride	BRL	mg/L	200	20	0.2	D2	09/01/12 01:26	KMK
	1,2-Dichloroethane-d4(surr)	91.9	%	40	70-130			09/01/12 01:26	KMK
	Dibromofluoromethane(surr)	104	%	40	70-130			09/01/12 01:26	KMK
	p-Bromofluorobenzene(surr)	97	%	40	70-130			09/01/12 01:26	KMK
	Toluene-d8(surr)	102	%	40	70-130			09/01/12 01:26	KMK
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	400	20	7.5	D2	09/05/12 02:58	HW
	2,4,5-Trichlorophenol	BRL	mg/L	400	20	400		09/05/12 02:58	HW
	2,4,6-Trichlorophenol	BRL	mg/L	400	20	2		09/05/12 02:58	HW

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name: Bluebonnet Petrochemical Solutions, PLLC

Attn: Joy Baker

Project Name: NuTerra Sampling / 4904 Griggs Rd., Houston, TX

Client Sample ID: OT9 - Liquid Phase

Date Collected: 08/24/12

Time Collected: 13:13

Other Information:

Job Sample ID: 12081165.41

Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles								
	2,4-Dinitrotoluene	BRL	mg/L	400	20	0.13		09/05/12 02:58	HW
	2-Methylphenol	BRL	mg/L	400	20	200		09/05/12 02:58	HW
	3- & 4-Methylphenols	BRL	mg/L	400	40	200		09/05/12 02:58	HW
	Hexachlorobenzene	BRL	mg/L	400	20	0.13		09/05/12 02:58	HW
	Hexachlorobutadiene	BRL	mg/L	400	20	0.4		09/05/12 02:58	HW
	Hexachloroethane	BRL	mg/L	400	20	3		09/05/12 02:58	HW
	Nitrobenzene	BRL	mg/L	400	20	2		09/05/12 02:58	HW
	Pentachlorophenol	BRL	mg/L	400	100	100		09/05/12 02:58	HW
	Pyridine	BRL	mg/L	400	20	4		09/05/12 02:58	HW
	Phenol-d6(surr)	0	%	400	15-120		S4	09/05/12 02:58	HW
	p-Terphenyl-d14(surr)	0	%	400	18-137		S4	09/05/12 02:58	HW
	2-Fluorophenol(surr)	0	%	400	15-111		S4	09/05/12 02:58	HW
	Nitrobenzene-d5(surr)	0	%	400	20-120		S4	09/05/12 02:58	HW
	2,4,6-Tribromophenol(surr)	0	%	400	10-120		S4	09/05/12 02:58	HW
	2-Fluorobiphenyl(surr)	56	%	400	30-115			09/05/12 02:58	HW
SW-846 9040C	Corrosivity, pH								
	pH	5.27	s.u.				H3	09/05/12 12:15	DDL
	Temperature when read, °C[1]	23.9	s.u.				H3	09/05/12 12:15	DDL

LABORATORY TEST RESULTS

Job ID : 12081165

Date 9/11/2012

Client Name:	Bluebonnet Petrochemical Solutions, PLLC		Attn: Joy Baker
Project Name:	NuTerra Sampling / 4904 Griggs Rd., Houston, TX		

Client Sample ID:	OT9 - Oil Phase	Job Sample ID:	12081165.42
Date Collected:	08/24/12	Sample Matrix	Oil
Time Collected:	13:00		
Other Information:			

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 9023	Extractable Organic Halogen								
	TOX[1]	526	mg/Kg	1.14	28.5			09/04/12 10:00	JP

[1]-Parameter not available for accreditation

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals, Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083061 **Created Date :** 08/30/12 **Created By :** PRKasar

Samples in This QC Batch : 12081165.01,05,09,11,13,15,21,23,33,39

Digestion :	PB12083039	**Prep Method :**	SW-846 7470A	**Prep Date :**	08/30/12 14:00	**Prep By :**	PRKasar
TCLP Prep :	PB12083020	**Prep Method :**	SW-846 1311	**Prep Date :**	08/29/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0058	115	0.005	0.0056	111	3.4	35	71-143	

QC Type: MS and MSD
QC Sample ID: 12081165.13

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0046	92.8						61-175	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP VOC** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083102 **Created Date :** 08/30/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.01,03,05,07,09,11,13,15,17,19,21,23,27,29,33

Sample Preparation : PB12083030 **Prep Method :** SW-846 5030C **Prep Date :** 08/30/12 09:30 **Prep By :** KKrch
TCLP Prep : PB12083020 **Prep Method :** SW-846 1311 **Prep Date :** 08/29/12 17:00 **Prep By :** DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	0.04	0.0052		
1,2-Dichloroethane	107-06-2	BRL	mg/L	0.04	0.0052		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	0.04	0.006		
Benzene	71-43-2	BRL	mg/L	0.04	0.0052		
Carbon tetrachloride	56-23-5	BRL	mg/L	0.04	0.0052		
Chlorobenzene	108-90-7	BRL	mg/L	0.04	0.006		
Chloroform	67-66-3	BRL	mg/L	0.04	0.0052		
MEK	78-93-3	BRL	mg/L	0.04	0.0052		
Tetrachloroethylene	127-18-4	BRL	mg/L	0.04	0.0064		
Trichloroethylene	79-01-6	BRL	mg/L	0.04	0.0052		
Vinyl Chloride	75-01-4	BRL	mg/L	0.04	0.004		
1,2-Dichloroethane-d4(surr	17060-07-0	93.2	%	0.04	70-130		
Dibromofluoromethane(surr	1868-53-7	97.3	%	0.04	70-130		
p-Bromofluorobenzene(surr	460-00-4	92.7	%	0.04	70-130		
Toluene-d8(surr)	2037-26-5	97.1	%	0.04	70-130		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.509	102						70-130	
1,2-Dichloroethane	0.5	0.482	96.4						70-130	
1,4-Dichlorobenzene	0.5	0.462	92.4						70-130	
Benzene	0.5	0.505	101						70-130	
Carbon tetrachloride	0.5	0.503	101						70-130	
Chlorobenzene	0.5	0.426	85.2						70-130	
Chloroform	0.5	0.54	108						70-130	
MEK	0.5	0.544	109						70-130	
Tetrachloroethylene	0.5	0.438	87.6						70-130	
Trichloroethylene	0.5	0.481	96.2						70-130	
Vinyl Chloride	0.5	0.63	126						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : TCLP VOC **Method : SW-846 8260C** **Reporting Units : mg/L**

QC Batch ID : Qb12083102 **Created Date :** 08/30/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.01,03,05,07,09,11,13,15,17,19,21,23,27,29,33

QC Type: MS and MSD
QC Sample ID: 12081373.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.373	74.6	0.5	0.404	80.8	8	35	70-130	
1,2-Dichloroethane	BRL	0.5	0.377	75.4	0.5	0.406	81.2	7.4	35	70-130	
1,4-Dichlorobenzene	BRL	0.5	0.351	70.2	0.5	0.366	73.2	4.2	35	70-130	
Benzene	BRL	0.5	0.382	76.4	0.5	0.396	79.2	3.6	35	70-130	
Carbon tetrachloride	BRL	0.5	0.374	74.8	0.5	0.397	79.4	6	35	70-130	
Chlorobenzene	BRL	0.5	0.344	68.8	0.5	0.355	71	3.1	35	70-130	M2
Chloroform	BRL	0.5	0.424	84.8	0.5	0.435	87	2.6	35	70-130	
MEK	BRL	0.5	0.617	123	0.5	0.636	127	3	35	70-130	
Tetrachloroethylene	BRL	0.5	0.336	67.2	0.5	0.369	73.8	9.4	35	70-130	M2
Trichloroethylene	BRL	0.5	0.38	76	0.5	0.402	80.4	5.6	35	70-130	
Vinyl Chloride	BRL	0.5	0.452	90.4	0.5	0.474	94.8	4.8	35	70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals** **Method :** **SW-846 6010C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083119 **Created Date :** 08/30/12 **Created By :** Ggorane

Samples in This QC Batch : 12081165.01,05,09,11,13,15,21,23,33,39

Digestion :	PB12083114	**Prep Method :**	SW-846 3010A	**Prep Date :**	08/30/12 13:00	**Prep By :**	PRKasar
TCLP Prep :	PB12083020	**Prep Method :**	SW-846 1311	**Prep Date :**	08/29/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	2	2.26	113	2	2.22	111	1.8	20	80-120	
Barium	2	1.82	91	2	1.79	89.5	1.7	20	80-120	
Cadmium	2	2.15	108	2	2.12	106	1.4	20	80-120	
Chromium	2	2.04	102	2	2.01	101	1.5	20	80-120	
Lead	2	1.86	93	2	1.83	91.5	1.6	20	80-120	
Selenium	2	2.30	115	2	2.26	113	1.8	20	80-120	
Silver	2	2.08	104	2	2.05	103	1.4	20	80-120	

QC Type: MS and MSD
QC Sample ID: 12081165.13

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	4	3.9956	99.9						45-138	
Barium	BRL	4	3.6343	90.9						39-135	
Cadmium	BRL	4	3.8251	95.6						56-125	
Chromium	BRL	4	3.8693	96.7						52-125	
Lead	BRL	4	3.5524	88.8						55-125	
Selenium	BRL	4	3.9901	99.8						70-130	
Silver	BRL	4	3.6507	91.3						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP VOC** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083126 **Created Date :** 08/31/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.35,37,39,41

Sample Preparation : PB12083031 **Prep Method :** SW-846 5030C **Prep Date :** 08/31/12 09:30 **Prep By :** KKrch

TCLP Prep : PB12083020 **Prep Method :** SW-846 1311 **Prep Date :** 08/29/12 17:00 **Prep By :** DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	0.04	0.0052		
1,2-Dichloroethane	107-06-2	BRL	mg/L	0.04	0.0052		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	0.04	0.006		
Benzene	71-43-2	BRL	mg/L	0.04	0.0052		
Carbon tetrachloride	56-23-5	BRL	mg/L	0.04	0.0052		
Chlorobenzene	108-90-7	BRL	mg/L	0.04	0.006		
Chloroform	67-66-3	BRL	mg/L	0.04	0.0052		
MEK	78-93-3	BRL	mg/L	0.04	0.0052		
Tetrachloroethylene	127-18-4	BRL	mg/L	0.04	0.0064		
Trichloroethylene	79-01-6	BRL	mg/L	0.04	0.0052		
Vinyl Chloride	75-01-4	BRL	mg/L	0.04	0.004		
1,2-Dichloroethane-d4(surr	17060-07-0	88.6	%	0.04	70-130		
Dibromofluoromethane(surr	1868-53-7	100	%	0.04	70-130		
p-Bromofluorobenzene(surr	460-00-4	92.7	%	0.04	70-130		
Toluene-d8(surr)	2037-26-5	101	%	0.04	70-130		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.514	103						70-130	
1,2-Dichloroethane	0.5	0.464	92.8						70-130	
1,4-Dichlorobenzene	0.5	0.42	84						70-130	
Benzene	0.5	0.483	96.6						70-130	
Carbon tetrachloride	0.5	0.495	99						70-130	
Chlorobenzene	0.5	0.42	84						70-130	
Chloroform	0.5	0.514	103						70-130	
MEK	0.5	0.524	105						70-130	
Tetrachloroethylene	0.5	0.422	84.4						70-130	
Trichloroethylene	0.5	0.464	92.8						70-130	
Vinyl Chloride	0.5	0.616	123						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : TCLP VOC **Method : SW-846 8260C** **Reporting Units : mg/L**

QC Batch ID : Qb12083126 **Created Date :** 08/31/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.35,37,39,41

QC Type: MS and MSD
QC Sample ID: 12081333.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.422	84.4	0.5	0.435	87	42.3	35	70-130	R1
1,2-Dichloroethane	BRL	0.5	0.445	89	0.5	0.436	87.2	25	35	70-130	
1,4-Dichlorobenzene	BRL	0.5	0.379	75.8	0.5	0.358	71.6	27.7	35	70-130	
Benzene	BRL	0.5	0.415	83	0.5	0.424	84.8	31.7	35	70-130	
Carbon tetrachloride	BRL	0.5	0.41	82	0.5	0.418	83.6	32.5	35	70-130	
Chlorobenzene	BRL	0.5	0.365	73	0.5	0.369	73.8	26	35	70-130	
Chloroform	BRL	0.5	0.449	89.8	0.5	0.465	93	31.3	35	70-130	
MEK	BRL	0.5	0.243	48.6	0.5	0.485	97	8.8	35	70-130	m2
Tetrachloroethylene	BRL	0.5	0.354	70.8	0.5	0.335	67	26.4	35	70-130	M2
Trichloroethylene	BRL	0.5	0.414	82.8	0.5	0.398	79.6	26.1	35	70-130	
Vinyl Chloride	BRL	0.5	0.484	96.8	0.5	0.523	105	41.8	35	70-130	R1

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals** **Method :** **SW-846 6010C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083156 **Created Date :** 08/31/12 **Created By :** Ggorane

Samples in This QC Batch : 12081165.03,07,17,19,27,29,35,37,41

Digestion :	PB12083141	**Prep Method :**	SW-846 3010A	**Prep Date :**	08/31/12 11:30	**Prep By :**	PRKasar
TCLP Prep :	PB12083020	**Prep Method :**	SW-846 1311	**Prep Date :**	08/29/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	2	2.04	102	2	1.90	94.8	7.1	20	80-120	
Barium	2	1.93	96.5	2	1.79	89.4	7.6	20	80-120	
Cadmium	2	2.02	101	2	1.88	94.2	7.1	20	80-120	
Chromium	2	2.00	100	2	1.86	93	7.5	20	80-120	
Lead	2	1.99	99.6	2	1.86	92.8	7.1	20	80-120	
Selenium	2	2.02	101	2	1.88	94.2	7	20	80-120	
Silver	2	1.93	96.4	2	1.78	88.8	8.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 12081438.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	2.13	106						45-138	
Barium	0.241	2	1.87	81.6						39-135	
Cadmium	BRL	2	2.05	102						56-125	
Chromium	BRL	2	1.84	91.5						52-125	
Lead	BRL	2	1.71	84.2						55-125	
Selenium	BRL	2	2.17	108						70-130	
Silver	BRL	2	1.94	97.2						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals, Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb12083158 **Created Date :** 08/31/12 **Created By :** PRKasar

Samples in This QC Batch : 12081165.03,07,17,19,27,29,35,37,41

Digestion :	PB12083143	**Prep Method :**	SW-846 7470A	**Prep Date :**	08/31/12 11:00	**Prep By :**	PRKasar
TCLP Prep :	PB12083020	**Prep Method :**	SW-846 1311	**Prep Date :**	08/29/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0050	100	0.005	0.0050	100	0	35	71-143	

QC Type: MS and MSD
QC Sample ID: 12081373.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0053	107						61-175	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090301 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.01,03,09,11,13,15,17,19

Sample Preparation : PB12090301 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	12	47.8	25	12	48.2	0.4	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090302 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.21,23,27,29,33,37,39,41

Sample Preparation : PB12090302 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.21

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	11.8	47.2	25	12	48.2	1.7	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Cyanide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb12090303 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.26,32

Sample Preparation : PB12090303 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/Kg	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.26

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/Kg		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	25	11.5	46.2	25	11.6	46.5	0.4	20	40-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Sulfide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090304 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.01,03,09,11,13,15,17,19

Sample Preparation : PB12090304 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	2.6	2.6	mg/L	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	541.8	54.2	1000	500.5	50.0	7.9	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Sulfide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090305 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.21,23,27,29,33,37,39,41

Sample Preparation : PB12090305 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.21

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	2.6	2.6	mg/L	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	500.5	50.0	1000	500.5	50.0	0.0	20	40-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Reactive Sulfide** **Method :** **SW-846 7.3** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb12090306 **Created Date :** 09/03/12 **Created By :** Sgarcia

Samples in This QC Batch : 12081165.26,32

Sample Preparation : PB12090306 **Prep Method :** SW-846 7.3 **Prep Date :** 09/03/12 08:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/Kg	1	25		

QC Type: Duplicate

QC Sample ID: 12081165.26

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	2.6	2.6	mg/Kg	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	583.0	58.3	1000	541.8	54.2	7.3	20	40-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Total Organic Carbon** **Method :** **SM 5310B** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090414 **Created Date :** 09/03/12 **Created By :** Ajohn

Samples in This QC Batch : 12081165.07,13,15,21,23,29

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
TOC		BRL	mg/L	1	1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.0	100	10	10.3	103	3	5	90-110	

QC Type: MS and MSD
QC Sample ID: 12081295.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	1.6	5	7.5	118						80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Corrosivity, pH** **Method :** **SW-846 9040C** **Reporting Units :** **s.u.**

QC Batch ID : Qb12090424 **Created Date :** 09/04/12 **Created By :** DDdLeon

Samples in This QC Batch : 12081165.01

QC Type: Duplicate

QC Sample ID: 12081165.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	5.02	5.02	s.u.	0	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.04							3.95-4.05	H3

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals, Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090432 **Created Date :** 09/04/12 **Created By :** PRKasar

Samples in This QC Batch : 12081165.26,32

Digestion :	PB12090428	**Prep Method :**	SW-846 7470A	**Prep Date :**	09/04/12 10:00	**Prep By :**	PRKasar
TCLP Prep :	PB12090411	**Prep Method :**	SW-846 1311	**Prep Date :**	09/03/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0051	103	0.005	0.0052	103	0.4	20	71-143	

QC Type: MS and MSD
QC Sample ID: 12081397.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0049	97.8						61-175	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Semivolatiles** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090463 **Created Date :** 09/04/12 **Created By :** Whuimei

Samples in This QC Batch : 12081165.26,32

Extraction :	PB12090438	**Prep Method :**	SW-846 3510C	**Prep Date :**	09/04/12 11:00	**Prep By :**	Msoria
TCLP Prep :	PB12090411	**Prep Method :**	SW-846 1311	**Prep Date :**	09/03/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.1		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-86-1	BRL	mg/L	1	0.05		
2-Fluorophenol(surr)	367-12-4	61.6	%	1	15-111		
Phenol-d6(surr)	13127-88-3	50	%	1	15-120		
Nitrobenzene-d5(surr)	4165-60-0	73.4	%	1	20-120		
2-Fluorobiphenyl(surr)	132-60-8	79.3	%	1	30-115		
2,4,6-Tribromophenol(surr)	118-79-6	84	%	1	10-120		
p-Terphenyl-d14(surr)	1718-51-0	74.4	%	1	18-137		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.25	0.182	72.8	0.25	0.183	73.2	0.5	35	24-134	
2,4,5-Trichlorophenol	0.25	0.203	81.2	0.25	0.197	78.8	3	35	6-115	
2,4,6-Trichlorophenol	0.25	0.19	76	0.25	0.199	79.6	4.6	35	40-138	
2,4-Dinitrotoluene	0.25	0.198	79.2	0.25	0.202	80.8	2	35	32-114	
2-Methylphenol	0.25	0.175	70	0.25	0.178	71.2	1.7	35	6-132	
3- & 4-Methylphenols	0.5	0.373	74.6	0.5	0.369	73.8	1.1	35	29-132	
Hexachlorobenzene	0.25	0.203	81.2	0.25	0.198	79.2	2.5	35	44-142	
Hexachlorobutadiene	0.25	0.195	78	0.25	0.205	82	5	35	20-124	
Hexachloroethane	0.25	0.169	67.6	0.25	0.175	70	3.5	35	14-136	
Nitrobenzene	0.25	0.178	71.2	0.25	0.178	71.2	0.0	35	38-146	
Pentachlorophenol	0.25	0.188	75.2	0.25	0.187	74.8	0.5	35	25-125	
Pyridine	0.25	0.135	54	0.25	0.134	53.6	0.7	35	6-112	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Metals** **Method :** **SW-846 6010C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090505 **Created Date :** 09/04/12 **Created By :** Ggorane

Samples in This QC Batch : 12081165.26,32

Digestion :	PB12090503	**Prep Method :**	SW-846 3010A	**Prep Date :**	09/04/12 10:50	**Prep By :**	PRKasar
TCLP Prep :	PB12090411	**Prep Method :**	SW-846 1311	**Prep Date :**	09/03/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	2	2.27	113	2	2.24	112	1.4	20	80-120	
Barium	2	1.88	93.8	2	1.87	93.3	0.6	20	80-120	
Cadmium	2	2.16	108	2	2.13	106	1.2	20	80-120	
Chromium	2	2.06	103	2	2.05	102	0.8	20	80-120	
Lead	2	1.83	91.4	2	1.81	90.3	1.2	20	80-120	
Selenium	2	2.24	112	2	2.21	110	1.5	20	80-120	
Silver	2	2.14	107	2	2.12	106	1.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 12081397.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	2.15	107						45-138	
Barium	0.297	2	2.09	89.5						39-135	
Cadmium	BRL	2	2.04	102						56-125	
Chromium	BRL	2	1.97	98.2						52-125	
Lead	BRL	2	1.75	86.7						55-125	
Selenium	BRL	2	2.13	106						18-137	
Silver	BRL	2	2.03	101						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Total Organic Halogen** **Method :** **SW-846 9023** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb12090521 **Created Date :** 09/04/12 **Created By :** Jpeng

Samples in This QC Batch : 12081165.02,04,06,08,10,12,16,20,22

Sample Preparation : PB12090522 **Prep Method :** SW-846 9023 **Prep Date :** 09/04/12 10:00 **Prep By :** Jpeng

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
TOX		BRL	mg/Kg	1	25		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOX	300	251.7	83.9	300	297.0	99	16.5	20	70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Total Organic Halogen** **Method :** **SW-846 9023** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb12090522 **Created Date :** 09/04/12 **Created By :** Jpeng

Samples in This QC Batch : 12081165.26,28,30,32,34,36,38,40,42

Sample Preparation : PB12090523 **Prep Method :** SW-846 9023 **Prep Date :** 09/04/12 10:00 **Prep By :** Jpeng

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
TOX		BRL	mg/Kg	1	25		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOX	300	219.6	73.2	300	213.0	71	3	20	70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP VOC** **Method :** **SW-846 8260C** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090527 **Created Date :** 09/05/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.26,32

Sample Preparation : PB12090517 **Prep Method :** SW-846 5030C **Prep Date :** 09/05/12 09:00 **Prep By :** KKrch

TCLP Prep : PB12090411 **Prep Method :** SW-846 1311 **Prep Date :** 09/03/12 17:00 **Prep By :** DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13		
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15		
Benzene	71-43-2	BRL	mg/L	1	0.13		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15		
Chloroform	67-66-3	BRL	mg/L	1	0.13		
MEK	78-93-3	BRL	mg/L	1	0.13		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16		
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13		
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1		
1,2-Dichloroethane-d4(surr	17060-07-0	95.2	%	1	70-130		
Dibromofluoromethane(surr	1868-53-7	96.3	%	1	70-130		
p-Bromofluorobenzene(surr	460-00-4	97.5	%	1	70-130		
Toluene-d8(surr)	2037-26-5	98.8	%	1	70-130		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.509	102						70-130	
1,2-Dichloroethane	0.5	0.542	108						70-130	
1,4-Dichlorobenzene	0.5	0.512	102						70-130	
Benzene	0.5	0.52	104						70-130	
Carbon tetrachloride	0.5	0.532	106						70-130	
Chlorobenzene	0.5	0.511	102						70-130	
Chloroform	0.5	0.529	106						70-130	
MEK	0.5	0.542	108						70-130	
Tetrachloroethylene	0.5	0.508	102						70-130	
Trichloroethylene	0.5	0.517	103						70-130	
Vinyl Chloride	0.5	0.558	112						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : TCLP VOC **Method : SW-846 8260C** **Reporting Units : mg/L**

QC Batch ID : Qb12090527 **Created Date :** 09/05/12 **Created By :** KKrch

Samples in This QC Batch : 12081165.26,32

QC Type: MS and MSD
QC Sample ID: 12081273.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.409	81.8	0.5	0.438	87.6	6.8	35	70-130	
1,2-Dichloroethane	BRL	0.5	0.45	90	0.5	0.464	92.8	3.1	35	70-130	
Benzene	BRL	0.5	0.457	91.4	0.5	0.457	91.4	0.0	35	70-130	
Carbon tetrachloride	BRL	0.5	0.463	92.6	0.5	0.477	95.4	3	35	70-130	
Chlorobenzene	BRL	0.5	0.423	84.6	0.5	0.384	76.8	9.7	35	70-130	
Chloroform	BRL	0.5	0.469	93.8	0.5	0.494	98.8	5.2	35	70-130	
MEK	BRL	0.5	0.36	72	0.5	0.467	93.4	25.9	35	70-130	
Tetrachloroethylene	BRL	0.5	0.434	86.8	0.5	0.449	89.8	3.4	35	70-130	
Trichloroethylene	BRL	0.5	0.443	88.6	0.5	0.456	91.2	2.9	35	70-130	
Vinyl Chloride	BRL	0.5	0.485	97	0.5	0.511	102	5.2	35	70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Corrosivity, pH** **Method :** **SW-846 9040C** **Reporting Units :** **s.u.**

QC Batch ID : Qb12090550 **Created Date :** 09/05/12 **Created By :** DDdLeon

Samples in This QC Batch : 12081165.03,09,11,13,15,17,19,21,23,27

QC Type: Duplicate

QC Sample ID: 12081165.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	4.91	4.91	s.u.	0	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.03							3.95-4.05	H3

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Corrosivity, pH** **Method :** **SW-846 9040C** **Reporting Units :** **s.u.**

QC Batch ID : Qb12090553 **Created Date :** 09/05/12 **Created By :** DDdLeon

Samples in This QC Batch : 12081165.29,33,37,39,41

QC Type: Duplicate

QC Sample ID: 12081165.29

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	8.10	8.11	s.u.	0.1	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.03							3.95-4.05	H3

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb12090561 **Created Date :** 09/05/12 **Created By :** Ajohn

Samples in This QC Batch : 12081165.09,11,17,19,27,33,35,37,39,41

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
TOC		BRL	mg/L	1	1		

QC Type: Duplicate

QC Sample ID: 12081165.35

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TOC	12300	12600	mg/L	2.4	10		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.6	106	10	10.6	106	0	5	90-110	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Corrosivity, pH** **Method :** **SW-846 9045D** **Reporting Units :** **s.u.**

QC Batch ID : Qb12090562 **Created Date :** 09/05/12 **Created By :** DDdLeon

Samples in This QC Batch : 12081165.26,32

QC Type: Duplicate

QC Sample ID: 12090041.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	8.65	8.53	s.u.	1.4	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.0	4.03							3.95-4.05	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb12090566 **Created Date :** 09/05/12 **Created By :** Ksudha

Samples in This QC Batch : 12081165.03,09,11,13,15,17

QC Type: Duplicate

QC Sample ID: 12081165.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	83	100	2.4	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb12090567 **Created Date :** 09/05/12 **Created By :** Ksudha

Samples in This QC Batch : 12081165.21,23,27,29,33,37,39,41

QC Type: Duplicate

QC Sample ID: 12081165.21

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	85	102	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **Ignitability (Flash Point)** **Method :** **SW-846 1010A** **Reporting Units :** **°F**

QC Batch ID : Qb12090568 **Created Date :** 09/05/12 **Created By :** Ksudha

Samples in This QC Batch : 12081165.26,32

QC Type: Duplicate

QC Sample ID: 12090041.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	85	102	83	85	102	0	20	75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 12081165 **Date :** 9/11/2012

Analysis : **TCLP Semivolatiles** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb12090581 **Created Date :** 08/31/12 **Created By :** Whuimei

Samples in This QC Batch : 12081165.01,03,05,07,09,11,13,15,17,19,21,23,27,29,33,35,37,39,41

Extraction :	PB12090435	**Prep Method :**	SW-846 3510C	**Prep Date :**	08/30/12 12:00	**Prep By :**	Msoria
TCLP Prep :	PB12083020	**Prep Method :**	SW-846 1311	**Prep Date :**	08/29/12 17:00	**Prep By :**	DDdLeon

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.1		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-86-1	BRL	mg/L	1	0.05		
2-Fluorophenol(surr)	367-12-4	60.6	%	1	15-111		
Phenol-d6(surr)	13127-88-3	54.9	%	1	15-120		
Nitrobenzene-d5(surr)	4165-60-0	66.8	%	1	20-120		
2-Fluorobiphenyl(surr)	132-60-8	58	%	1	30-115		
2,4,6-Tribromophenol(surr)	118-79-6	49	%	1	10-120		
p-Terphenyl-d14(surr)	1718-51-0	58.5	%	1	18-137		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,4-Dichlorobenzene	0.25	0.145	58	0.25	0.148	59.2	2.1	35	24-134	
2,4,5-Trichlorophenol	0.25	0.137	54.8	0.25	0.148	59.2	7.7	35	6-115	
2,4,6-Trichlorophenol	0.25	0.14	56	0.25	0.146	58.4	4.2	35	40-138	
2,4-Dinitrotoluene	0.25	0.116	46.4	0.25	0.119	47.6	2.6	35	32-114	
2-Methylphenol	0.25	0.148	59.2	0.25	0.14	56	5.6	35	6-132	
3- & 4-Methylphenols	0.5	0.316	63.2	0.5	0.308	61.6	2.6	35	29-132	
Hexachlorobenzene	0.25	0.147	58.8	0.25	0.149	59.6	1.4	35	44-142	
Hexachlorobutadiene	0.25	0.138	55.2	0.25	0.138	55.2	0.0	35	20-124	
Hexachloroethane	0.25	0.141	56.4	0.25	0.147	58.8	4.2	35	14-136	
Nitrobenzene	0.25	0.156	62.4	0.25	0.157	62.8	0.6	35	38-146	
Pentachlorophenol	0.25	0.1	40	0.25	0.095	38	5.1	35	25-125	
Pyridine	0.25	0.053	21.2	0.25	0.059	23.6	10.7	35	6-112	

Refer to the Definition page for terms.

A & B Labs — *Chain of Custody*

The Chain of Custody is a Legal Document

Page 1 of 3

Revised 8/28/12 SG

10100 East Fwy (I-10)
Suite 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 12081165

5. Project # Nuterra Sampling

6. Project Name/Location: 4904 Griggs Rd, Houston, TX

7. Reporting Requirement: ☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MDL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): Joy Baker, Bluebonnet — Sampler's Signature & Date: Joy Baker 8/24/12

1. REPORT TO:
Company: Bluebonnet
Address: 6450 N Main St, Baytown TX 77521
Contact: Joy Baker
Phone:
Fax: ☐
E-mail: ☒ jb@bbpetrochem.com

2. INVOICE TO:
Company: Nuterra
Address: 4750 N. Chestnut St. Colorado Springs, CO 80907
Contact: Pam Parr / Darel Tiegs
Phone: 719-351-9567
Fax: ☐ 719-599-7525
E-mail: ☐ igi1800@dol.com

3. PO #
3a. A&B Quote #
4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other:
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods

LAB USE ONLY	9. Sample ID and Description		10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Drinking Water	Air	Other	RCRA 8 metals, TCLP (water)	volatiles, TCLP (water)	SVOL, TCLP (water)	TOC (water phase)	RCT (water)	TOX (oil phase)	18. REMARKS
01A	OT1 –	01,02	8/24/12	11:00	X				X	X				X	X	X		X	X	
02A	OT2 –	03,04		11:10	X		X							X	X	X		X	X	
03A	OT3 –	05,06		11:15	X		X							X	X	X		X	X	
04A	OT4 –	07		11:18	X									X	X	X		X	X	
05A	OT4	08		11:25	X					X				X	X	X	X	X	X	
06A	OT5	09,10		11:32	X		X		X	X				X	X	X	X	X	X	
07A	OT6	11,12		11:40	X		X			X				X	X	X	X	X	X	
08A	FT01	13,14		11:45	X		X							X	X	X	X	X	X	
09A	WT1	15,16		11:52	X		X							X	X	X	X	X	X	
10A	NP1	17,18		11:58	X		X							X	X	X	X	X	X	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Joy Baker	8/24/12	15:05	[signature]	8-24-12	15:05
2					
3					

21. KNOWN HAZARDS/COMMENTS

Temperature: 4.8 °C
Thermometer ID 90841680
Intact Y or N Initials DL

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $NA_2S_2O_3$; X - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

A & B Labs — *Chain of Custody*

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Revised 8/28/12 8pm

10100 East Fwy (I-10)
Suite 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 12081165

5. Project # Nuterra Sampling

1. REPORT TO:
Company: Bluebonnet
Address: 64 SDN Main St, Baytown TX
Contact: Jorg Baker
Phone:
Fax: ☐
E-mail: ☒ jb@bbpetrochem.com

2. INVOICE TO:
Company: Nuterra
Address: 4750 N. Chestnut St. Colorado Springs, CO 80907
Contact: Pam Parr / Darcel Tiegs
Phone: 719-351-9567
Fax: ☐ 719-599-7525
E-mail: ☐ jgi1800@aol.com

3. PO #
3a. A&B Quote #
4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other:
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: 4404 Griggs Rd, Houston TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MDL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): Jorg Baker, Bluebonnet
Sampler's Signature & Date: Jorg Baker 8/24/12

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only

17. Analyses/Methods: RCRA 8 metals - TCLP (water); Volatiles - TCLP (water); Semi-volatiles - TCLP (water); TOX - oil phase; TOC (water phase); RCI - (water phase)

LAB USE ONLY	9. Sample ID and Description		10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Drinking Water	Air	Other	RCRA 8 metals - TCLP (water)	Volatiles - TCLP (water)	Semi-volatiles - TCLP (water)	TOX - oil phase	TOC (water phase)	RCI - (water phase)	18. REMARKS
11A	NP 2	19, 20	8/24/12	12:07	X		X							X	X	X	X	X	X	All analyses on water phase only - except TOX (oil phase only for TOX)
12A	NP3	21, 22		12:15	X		X							X	X	X	X	X	X	
13A	NP4 -	23, 24		12:22	X		X							X	X	X	X	X	X	
14A	NP5	25, 26		12:30	X				X	X				X	X	X	X	X	X	
15A	NP6	27, 28		12:35	X		X			X				X	X	X	X	X	X	
16A	NP7	29, 30		12:40	X		X							X	X	X	X	X	X	
17A	NP8	31, 32		12:42	X				X	X				X	X	X	X	X	X	
18A	1002	33, 34		12:52	X		X							X	X	X	X	X	X	
19A	1004	35, 36		12:55	X					X				X	X	X	X	X	X	
20A	OT 7	37, 38		13:01	X		X							X	X	X	X	X	X	

a 8/28/12

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Jorg B	8/24/12	15:05	D. Lopez	8-24-12	15:05
2					
3					

21. KNOWN HAZARDS/COMMENTS

Temperature: 4.8 °C
Thermometer ID 90941650
Intact: Y or N Initials DL

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $NA_2S_2O_3$; X - Other

METHOD OF SHIPMENT

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LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

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A&B JOB ID # 12081165

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Contact: Joy Baker
Phone:
Fax: ☐
E-mail: ☒ jb@bbpetrochem.com

2. INVOICE TO: Revised
Company: Nuterra
Address: 4750 N. Chestnut St.
Colorado Springs, CO 80907
Contact: Pam Parr / Darel Tiegs
Phone: 719-351-9567
Fax: ☐ 719-599-7525
E-mail: ☐ jgi1800@aol.com

3. PO # 8/28/12
3a. A&B Quote # 8/2
4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other:
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☐ 3 Days* *Surcharge applies
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6. Project Name/Location: 4904 Griggs Rd, Houston, TX

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MDL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): Joy Baker, Bluebonnet
Sampler's Signature & Date: Joy Baker 8/24/12

13. 14. Containers* / 15. Preservatives** / 16. PH-Lab Only / 17. Analyses/Methods

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	Oil	Drinking Water	Air	Other	No. of Containers	RCRA Brominated, TCLP (water)	Volatiles, TCLP (water)	SVOCs, TCLP (water)	TDC (water phase)	RCC (water phase)	TDX (oil phase)	18. REMARKS
082712 21A	OT 8 39,40	8/24/12	13:07	X				X						X	X	X	X	X	X	
22A	OT 9 41,42	8/24/12	13:13	X		X								X	X	X	X	X	X	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Joy B	8/24/12	15:05	[illegible]	8-24-12	1500
2					
3					

21. KNOWN HAZARDS/COMMENTS

Temperature: 4.8 °C
Thermometer ID 90941650
Intact: ~~Y or N~~ Initials DL

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $NA_2S_2O_3$; X - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

Sample Condition Checklist

A&B JobID : **12081165**	Date Received : **08/24/2012**	Time Received : **3:05PM**
Client Name : **Bluebonnet Petrochemical Solutions, PLLC**		
Temperature : **4.8°C**	Sample pH : **N/A**	
Thermometer ID : **90941650**	pH Paper ID : **N/A**	

	Check Points	Yes	No	N/A
1.	**Cooler seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If no comment).**	X		
8.	**Matrix :** **Water** ☑ **Soil** ☐ **Liquid** ☐ **Sludge** ☑ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☑			
9.	**Sample(s) were received in appropriate container(s).**	X		
10.	**Sample(s) were received with proper preservative**	X		
11.	**All samples were logged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**		X	
15.	**Samples were received within the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Other = Oil Both sample layers received in one bottle. Lab manually separated liquid and oil layers (4 hours of labor). Samples NP5 & NP8 do not have a liquid phase. Samples FT01, NP1, & NP4 do not have an oil phase. Per Joy, cancel TOX on FT01, NP1, & NP4. Also, run liquid tests on oil layer and subcontract TOC_oils on NP5 & NP8. 8/31/12 SGC Insufficient volumes: OT1, NP2 for ignitability; OT3, OT4, 1004 for RCI.

Received by : Dlopez

Check in by/date : CCripe / 08/24/2012