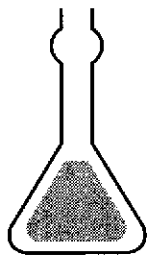


RO-360



# TOXICHEM Management Systems, Inc.

Environmental & Occupational Health Services

11 Kenton Avenue  
San Carlos, California 94070  
(650) 551-0112 / Fax (650) 551-0116

Industrial Hygiene - Exposure Assessment  
Quantitative Risk Assessment  
Compliance Audits  
Real Property Environmental Assessments  
Remedial Investigations  
Air, Soil, and Groundwater Sampling  
Remedial Engineering and Construction  
Regulatory Compliance and Negotiation  
Litigation Support Services

March 16, 2005  
Project EQ-76.

Robert Schultz  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

Alameda County  
MAR 21 2005  
Environmental Health

## REPORTS

Re: **Work Plan for Waste Oil Tank Investigation**  
Shell Branded Service Station  
4226 First Street, Pleasanton, California  
Incident No. 98995840, SAP No. 135782

Dear Mr. Schultz:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Toxicchem Management Systems, Inc. (TOXICHEM) has prepared this work plan to perform additional site assessment activities at the site referenced above (Figure 1). The proposed scope of work is designed to assess soil and groundwater conditions in the immediate vicinity of the waste oil tank. The following presents the site background, recent waste oil tank findings and proposed scope of work.

### **BACKGROUND**

**Site Description:** The subject site is a Shell-branded service station located at the southern corner of First Street and Vineyard Avenue in a mixed commercial and residential area of Pleasanton, California. Three 10,000 gallon gasoline underground storage tanks (USTs) and one 550 gallon waste oil UST are located at the site. Based on previous investigations briefly discussed below, the site is underlain by silts to 15 and 20 feet below ground surface (bgs). Interbedded gravelly sand, sandy silt and sandy and clayey gravels underlie the silt to the total depth explored of 100 feet bgs. Clayey silt was encountered at varying depths between 40 and 59 feet bgs. Groundwater flow direction is generally to the north with static water currently between 31 and 38 feet bgs.

**1985, Subsurface Investigation:** In 1985 Emcon Associates of San Jose advanced five borings between 20 and 30 feet bgs adjacent to the gasoline USTs and collected soil samples. One soil boring was converted into a groundwater monitoring well to a depth of 30 feet (Well S-1, Figure 2). The maximum concentration detected was 1,300 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPH-g) in SB-4 at 15 feet bgs. No benzene was detected in the soil samples collected during this investigation. No groundwater was encountered in the monitoring well.

**1986 Underground Storage Tank Removal:** In 1986 Blaine Tech Services of San Jose collected soil samples beneath each end of the four removed gasoline USTs. The maximum concentration of TPH-g detected in the samples was 240 mg/kg. Three 10,000 gallon double-walled fiberglass tanks were installed at a location closer to the dispenser islands (Figure

2). A soil sample was also collected from the waste oil tank excavation; no oil was detected in this sample.

**March 1990, Subsurface Investigation:** In March 1990, Hart Crowser, Inc. of San Francisco advanced three soil borings between 30 and 50 feet deep in the vicinity of the former gasoline USTs and collected soil samples. They also abandoned monitoring well S-1 by drilling it out and they continued drilling past the depth of the monitoring well to a total depth of 45 feet bgs to collect soil samples. Soil samples from all four borings were analyzed for TPH-g and BTEX compounds. Concentrations of 380 mg/kg and 290 mg/kg TPH-g were detected in the samples from the well abandonment boring at 30 and 35 feet bgs, respectively. TPH-g concentrations in the other soil samples were only as high as 18 mg/kg. In April 1990, Hart Crowser drilled two more soil borings at the site to a total depth of 51.5 feet bgs and collected soil samples. A maximum concentration of 820 mg/kg TPH-g was detected at a depth of 35 feet bgs. No TPH-g was detected in the other soil boring. A small amount of groundwater was observed at 49.5 feet bgs in one boring.

**September, 1995, Dispenser and Piping Replacement:** In September 1995, Weiss Associates of Emeryville collected soil samples from beneath the removed product piping and dispensers during replacement activities by Paradiso Mechanical of San Leandro. Approximately 20 cubic yards of soil were overexcavated to a maximum depth of 8.5 feet bgs at the direction of the Pleasanton Fire Department. A maximum remaining concentration of 120 mg/kg TPH-g was detected in soil samples collected at this overexcavated southernmost former product dispenser location (Sample DP-3 at 8 feet bgs).

**July 1998, Facility Upgrade:** In July 1998, Cambria inspected the waste oil tank remote fill piping during its removal by Gettler-Ryan of Dublin. No field indications of hydrocarbons were observed during the site visit, therefore, no further investigation was required.

**April 1999, Subsurface Investigation:** In April 1999 Cambria advanced two soil borings (SB-6 and SB-7) to depths of 58 and 100 feet bgs, respectively. One of the borings (Boring SB-6) was converted to Monitoring Well MW-1 with screened interval extending from 37 to 57 feet bgs. During drilling, groundwater was encountered at 42.5 feet bgs, but was not evident in the boring until the hole was left open overnight. The only detection of TPHg was in sample SB-7 at 40 feet bgs at 83 mg/kg. The only detection of benzene was in sample SB-6/MW-1 at 45 feet bgs at 0.1 mg/kg. No MtBE was detected in any soil sample collected. TPH-g was detected in grab groundwater in Borings SB-6/MW-1 and SB-7 at concentrations of 10,000 and 750 micrograms per liter ( $\mu\text{g/L}$ ). Benzene was detected grab groundwater samples in Borings SB-6 and SB-7 at concentrations of 4,500  $\mu\text{g/L}$  and 20  $\mu\text{g/L}$ , respectively. No MtBE was detected in groundwater from either boring.

**January 2000, Subsurface Investigation:** In January 2000, Cambria advanced two borings to a maximum depth of 47 feet bgs and installed Monitoring Wells MW-2 and MW-3 with screened intervals extending from 24-36 and 20-35 feet bgs, respectively. No hydrocarbons or MtBE was detected in the eleven soil samples analyzed during the investigation. The wells were then integrated into the site quarterly groundwater monitoring program.

**January 2005, Site Upgrade and Backfill Well Abandonment:** On January 13, 2005, Town and Country Contractors, Inc. of Rancho Cordova destroyed four UST backfill wells according to the provisions of the Zone 7 Water Agency by infilling with pea gravel and cutting off the top two feet of casing. A concrete slab was then poured over the entire UST complex upon completion of the enhanced vapor recovery tank-top upgrade activities.

## RECENT WASTE OIL TANK FINDINGS

The following presents recent details, work performed and the findings regarding the existing waste oil tank.

On January 18, 2005 it was discovered that a liquid was poured into a second port present on the waste oil tank which goes directly into the surrounding pea gravel of the tank. Two of Shell's contractors, Service Station Systems and Able Maintenance, removed as much pea gravel as possible and containerized the material within a drum on-site, totaling approximately 18-gallons of pea gravel. The port was then sealed by Able Maintenance utilizing epoxy so future dumping cannot happen. On January 19, 2005 an Unauthorized Release Report was submitted by the operator to Paul Smith of the Livermore-Pleasanton Fire Department. The quantity and type of the liquid is unknown.

Based on emailed communication between yourself, Paul Smith of the Livermore-Pleasanton Fire Department and Karen Petryna of Shell the first course of action was determined to assess the nature of the material by profiling the removed pea gravel. Sampling the pea gravel around the tank was not feasible since the material had already been removed to the maximum extent possible and the access port sealed with epoxy preventing any future inadvertent incidents.

On February 16, 2005 TOXICHEM collected a 6-part representative composite sample of the removed pea gravel and submitted on ice accompanied by chain of custody to STL Laboratories in Pleasanton. The pea gravel was analyzed for waste oil parameters including:

- TPH-g, BTEX compounds, MtBE, tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tert-amyl methyl ether (TAME), 1,2-DCA and EDB and for chlorinated hydrocarbons by EPA Method 8260B.
- For TPH as diesel (TPH-d) by EPA Method 8015M, TPH as oil and grease (TPH-o&g) by EPA Method 1664A and for PCBs by EPA Method 8082.
- For Semi-volatile organic compounds (SVOCs including PCP, PNA and creosol compounds) by EPA Method 8270.
- For cadmium, chromium, lead, nickel, and zinc by EPA Method 6010B.

The results are presented in Tables 1 and 2 and certified analytical results included in Attachment A. All the above constituents analyzed were non-detect with the following exceptions:

- Total petroleum hydrocarbons were detected in the composite sample at concentrations of 1.4 mg/kg TPH-g, 1,400 mg/kg TPH-d and 10,000 mg/kg TPH-o&g. The laboratory noted that the concentration reported as TPH-d was of the late diesel range and did not match their laboratory diesel standard.
- Phenanthrene (the only SVOC compound detected) was reported at a concentration of 0.42 mg/kg.
- Minor concentrations of four of the five metals were detected (Table 2).
- All concentrations of detected constituents were below their respective Residential Environmental Screening Levels (Regional Water Quality Control Board Environmental Screening Levels, revised February, 2005) with the exception of TPH-d and TPH-o&g (Tables 1 and 2).

## PROPOSED SCOPE OF WORK

The proposed scope of work is designed to assess native soil and groundwater conditions in the immediate vicinity of the waste oil tank based on the above findings. It is likely that used motor oil was inadvertently poured down the wrong fill port, resulting in the discharge to the pea gravel.

Therefore, TOXICHEM proposes one hydraulic push boring be advanced adjacent to the east of the existing waste oil tank. The proposed boring location is shown on Figure 2. Field and laboratory procedures are presented in Attachment A. The scope of work proposed is as follows.

- Obtain applicable soil boring permit.
- Prepare a site-specific Health and Safety Plan.
- Provide notification for underground utility service clearance prior to boring advancement. Due to the proximity to the waste oil tank, utilize an air knife or hand auger to 10 feet bgs to clear utilities prior to boring advancement utilizing the hydraulic push rig.
- Advance the boring to approximately 35 to 40 feet bgs into first encountered groundwater.
- Collect soil samples for logging at minimum 5-foot depth intervals.
- Perform field analysis for organic vapor concentrations on selected soil samples using a photo-ionization detector (PID).
- Submit selected soil and groundwater samples from the boring to a state certified laboratory for chemical analysis if field observations or PID readings warrant. It is anticipated that at least three soil samples will be selected from the boring at approximately 10, 20 and 30 feet bgs and one grab groundwater sample will be obtained from first encountered water. The submitted soil and groundwater samples will be analyzed for TPH-g, TPH-d, BTEX compounds and MtBE by EPA Method 8260. Additionally the samples will be analyzed for TPH-o&g by EPA Method 1664A.
- Prepare a technical report presenting the findings of the investigation.

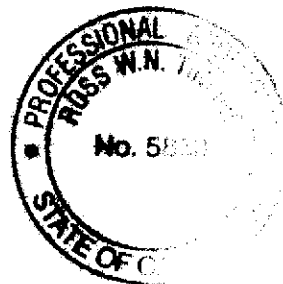
If you have any questions regarding this work plan, please contact me at (650)551-0112.

Sincerely,

Toxichem Management Systems, Inc.



Ross Tinline, P.G.  
Senior Geologist



- Attachment:
- Figure 1 - Well Survey Map
  - Figure 2 - Site Map
  - Table 1 - Soil Analytical Data (Total Petroleum Hydrocarbons, Volatile and Semi-Volatile Organic Compounds)
  - Table 2 - Soil Analytical Data (Total Metals)

March 16, 2005

Page 5

Attachment A - Field Procedures for Hydraulic Push Borings and  
Certified Analytical Results

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington, Carson, CA 90810  
Aura Sibley, Shell Oil Products US, 1635 Pacheco Blvd, Martinez, CA 94553  
Paul Smith, Livermore-Pleasanton Fire Department, 3560 Nevada Street  
Pleasanton, California 94566



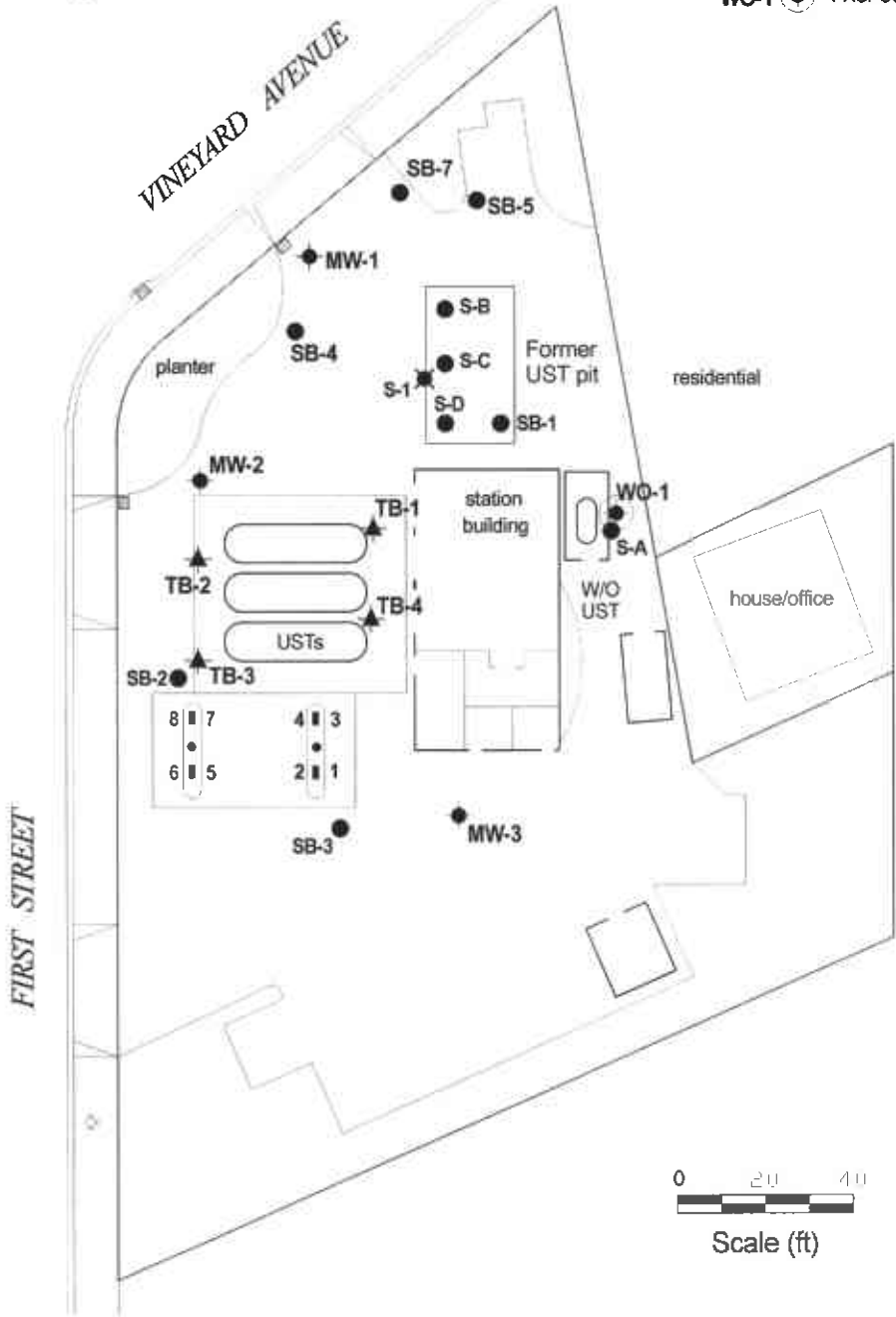
- EXPLANATION**
- MUNICIPAL WELL
  - DOMESTIC WELL
  - ⊙ UNKNOWN WELL
  - ⊗ ABANDONED WELL

Ref. EQ-76.1a/WELL SURVEY.DWG  
 Basemap from Yahoo Maps, July 2004

PREPARED BY  <b>TOXICHEM Management Systems, Inc.</b> Environmental & Occupational Health Services	Shell-Branded Service Station 4226 First Street Pleasanton, California	FIGURE: 1
	SITE VICINITY AND WELL SURVEY MAP	PROJECT: EQ-76

**LEGEND**

- MW-1 ● MONITORING WELL LOCATION AND DESIGNATION
- S-1 ✕ DESTROYED WELL
- TB-1 ▲ ABANDONED TANK BACKFILL WELL LOCATION
- SB-1 ● SOIL BORING LOCATION
- WO-1 ● PROPOSED BORING LOCATION AND DESIGNATION



BASEMAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, Inc.



**TOXICHEM**  
Management  
Systems, Inc.  
Environmental & Occupational Health Services

Shell-Branded Service Station  
4226 First Street  
Pleasanton, California

**SITE MAP**

**FIGURE:**  
**2**  
**PROJECT:**  
**EQ-76**

Table 1  
**Soil Analytical Data**  
 Total Petroleum Hydrocarbons, Volatile and Semi-Volatile Organic Compounds  
 Shell Branded Service Station  
 4226 First Street, Pleasanton, California

Sample Designation	Sample Type or Depth (feet bgs)	Date Sampled	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-o&g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	VOC (mg/kg)	SVOC (mg/kg)	PCBs (mg/kg)	
D-1	Composite	02/16/05	1.4	1400 *	10,000	<0.005	<0.005	<0.005	<0.01	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	ND (0.42)**	<0.500	
<b>Soil Screening Levels</b>																				
Residential ESL (Groundwater Protection, Leaching)***			100	100	500	0.044	2.9	3.3	2.3	0.023	NA	NA	NA	NA	NA	NA	NA	NA (11)	6.3 (0.22)	
Commercial ESL (Groundwater Protection, Leaching)**			100	100	1,000	0.044	2.9	3.3	2.3	0.023	NA	NA	NA	NA	NA	NA	NA	NA (11)	6.3 (0.74)	

TPH-g = Total petroleum hydrocarbons as gasoline (EPA Method 8260B)  
 TPH-d = Total petroleum hydrocarbons as diesel fuel (EPA Method 8015M)  
 TPH-o&g = Total petroleum as oil and grease (EPA Method 1664A)  
 MtBE = Methyl tert-butyl ether (EPA Method 8260B)  
 TBA = Tert-butyl alcohol (EPA Method 8260B)  
 DIPE = Di-isopropyl Ether (EPA Method 8260B)  
 ETBE = Ethyl tert-butyl ether (EPA Method 8260B)  
 TAME = tert-Amyl methyl ether (EPA Method 8260B)  
 VOC = Volatile Organic Compounds including 1,2-DCA and EDB (EPA Method 8260B)  
 SVOC = Semi volatile organic compounds (EPA Method 8270C)  
 PCB = Polychlorinated biphenyls (EPA Method 8082)  
 mg/kg = Milligrams per kilogram  
 bgs = feet below ground surface of the bottom of the sample  
 \* = Hydrocarbon reported is in the late diesel range, and does not match the laboratory diesel standard.  
 \*\* = All SVOCs non detect except Phenanthrene (concentration in parentheses)  
 \*\*\* = SFRWQCB ESL for surface soil (<3m) where groundwater is a potential drinking water



**Table 2**  
**Soil Analytical Data**  
**Total Metals by EPA 6010B**  
 Shell Branded Service Station  
 4226 First Street  
 Pleasanton, California

Sample Designation	Depth (feet bgs)	Date Sampled	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
D-1	Composite	02/16/05	<0.5	13	6.8	27	100
<b>Soil Screening Levels*</b>							
Residential ESL			1.70	58	150	150	600
Commercial ESL			7.4	58	750	150	600

mg/kg = Milligrams per kilogram

\* = SFRWQCB ESL for surface soil (<3m) where groundwater is a potential drinking water

**ATTACHMENT A**

**FIELD PROCEDURES FOR  
HYDRAULIC PUSH BORINGS AND CERTIFIED ANALYTICAL  
RESULTS**

## ATTACHMENT A

### FIELD PROCEDURES FOR HYDRAULIC PUSH BORINGS

Hydraulic push or Geoprobe borings involve direct push of a 2-inch diameter coring device fitted with acetate liners. Prior to boring advancement, the location will be cleared for underground utilities by calling Underground Services Alert and by utilizing a locator service. Additionally, the upper five to ten feet of the boring will be hand augered or air knifed.

The soil boring will be advanced using 2-inch diameter hollow-stem rods fitted with acetate liners. Soil samples will be collected continuously for logging and field organic vapor analysis by advancing the hollow-stem rods into undisturbed soil. The sampler will be driven with a pneumatic hammer and hydraulic pressure. Boring logs will be completed in the field by a geologist using the Unified Soil Classification System and standard geologic techniques. Collected soil samples will be field analyzed according to the head space method for volatile organic compounds (VOCs) using a PID. Visual inspection, and results of the PID tests will be used to determine soil samples for laboratory analysis. Soil samples for laboratory analysis will be retained in the acetate liners, capped with Teflon® and plastic end caps and sealed in zip-lock plastic bags. The "Grab" groundwater sample will be collected from the boring by driving a hydropunch type sampler, or are retrieved from the bore-hole using a precleaned bailer lowered to the appropriate depth for sample collection. Based on previous findings, it may be necessary to install a temporary PVC screened casing in the boring and allow the groundwater to seep into the boring with time (perhaps overnight). Samples will be labeled and placed in a cooler with ice (crushed or dry ice) for transport to a California State-certified laboratory accompanied by chain-of-custody documentation. All down-hole drilling equipment will be steam-cleaned prior to drilling. Upon completion of sampling activities the boreholes will be backfilled with neat cement slurry through the rods or tremmie pipe as they are removed to the existing grade.

The soil and groundwater samples submitted to the laboratory will be analyzed for the presence of TPH-g, TPH-d, BTEX compounds and MtBE by EPA Method 8260B. Additionally the samples will be analyzed for TPH-o&g by EPA Method 1664A. All analyses will be performed by a state-certified chemical analytical laboratory.

**Toxichem Management Systems, Inc-San Jose**

March 02, 2005

11 Kenton Drive  
San Carlos, CA 94070  
Attn.: Ross Tinline  
Project#: EQ-76.1A  
Project: Shell Sap Number 702530  
Site: 4226 First Street, Pleasanton

Dear Mr. Tinline

Attached is our report for your samples received on 02/16/2005 11:43  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
04/02/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/21/2005 11:06

## Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D1	Lab ID:	2005-02-0510 - 1
Sampled:	02/16/2005 10:30	Extracted:	2/20/2005 15:59
Matrix:	Soil	QC Batch#:	2005/02/20-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	1.4	1.0	mg/Kg	1.00	02/20/2005 15:59	
Benzene	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
Toluene	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/20/2005 15:59	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/20/2005 15:59	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
EDB	ND	0.0050	mg/Kg	1.00	02/20/2005 15:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	134.9	76-124	%	1.00	02/20/2005 15:59	S4
Toluene-d8	78.7	75-116	%	1.00	02/20/2005 15:59	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/21/2005 11:06

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/02/20-1A.66-025

**Soil**

Test(s): 8260B

**QC Batch # 2005/02/20-1A.66**

Date Extracted: 02/20/2005 08:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/20/2005 08:25	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/20/2005 08:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/20/2005 08:25	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/20/2005 08:25	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	02/20/2005 08:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	02/20/2005 08:25	
1,2-DCA	ND	0.0050	mg/Kg	02/20/2005 08:25	
EDB	ND	0.0050	mg/Kg	02/20/2005 08:25	
Benzene	ND	0.0050	mg/Kg	02/20/2005 08:25	
Toluene	ND	0.0050	mg/Kg	02/20/2005 08:25	
Ethyl benzene	ND	0.0050	mg/Kg	02/20/2005 08:25	
Total xylenes	ND	0.0050	mg/Kg	02/20/2005 08:25	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	104.8	76-124	%	02/20/2005 08:25	
Toluene-d8	101.4	75-116	%	02/20/2005 08:25	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/20-1A.66**

LCS 2005/02/20-1A.66-003

Extracted: 02/20/2005

Analyzed: 02/20/2005 08:03

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0452		0.05	90.4			65-165	20		
Benzene	0.0403		0.05	80.6			69-129	20		
Toluene	0.0477		0.05	95.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	512		500	102.4			76-124			
Toluene-d8	514		500	102.8			75-116			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/21/2005 11:06



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/20-1A.66**

MS/MSD

Lab ID: 2005-02-0308 - 001

MS: 2005/02/20-1A.66-022

Extracted: 02/20/2005

Analyzed: 02/20/2005 10:22

Dilution: 1.00

MSD: 2005/02/20-1A.66-045

Extracted: 02/20/2005

Analyzed: 02/20/2005 10:45

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0480	0.0497	ND	0.05	96.0	99.6	3.7	65-165	20		
Benzene	0.0441	0.0434	ND	0.05	88.2	87.0	1.4	69-129	20		
Toluene	0.0545	0.0517	ND	0.05	109.0	103.6	5.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	532	520		500	106.4	103.9		76-124			
Toluene-d8	490	494		500	97.9	98.8		75-116			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/21/2005 11:06

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

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**Legend and Notes**

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**Result Flag**

S4

Surrogate recovery was higher than QC limit due to matrix interference.

**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s): 3550B/8270C                      Test(s): 8270C  
 Sample ID: **D1**                              Lab ID: 2005-02-0510 - 1  
 Sampled: 02/16/2005 10:30              Extracted: 2/18/2005 12:11  
 Matrix: Soil                                  QC Batch#: 2005/02/18-02.11  
 Analysis Flag: L3 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
2-Methylphenol	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
4-Methylphenol	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Naphthalene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Acenaphthylene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Acenaphthene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Fluorene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	02/18/2005 19:32	
Phenanthrene	0.42	0.34	mg/Kg	5.00	02/18/2005 19:32	
Anthracene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Fluoranthene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Pyrene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Chrysene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	02/18/2005 19:32	
<b>Surrogate(s)</b>						
Nitrobenzene-d5	86.2	23-120	%	5.00	02/18/2005 19:32	
2-Fluorobiphenyl	87.2	30-115	%	5.00	02/18/2005 19:32	
p-Terphenyl-d14	NA	18-137	%	5.00	02/18/2005 19:32	S6
2-Fluorophenol	69.3	25-121	%	5.00	02/18/2005 19:32	
Phenol-d5	69.8	24-113	%	5.00	02/18/2005 19:32	
2,4,6-Tribromophenol	97.2	19-122	%	5.00	02/18/2005 19:32	

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03/01/2005 11:56

**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550B/8270C

Test(s): 8270C

Method Blank

Soil

QC Batch # 2005/02/18-02.11

MB: 2005/02/18-02.11-001

Date Extracted: 02/18/2005 12:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	02/18/2005 15:27	
2-Chlorophenol	ND	0.067	mg/Kg	02/18/2005 15:27	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	02/18/2005 15:27	
2-Methylphenol	ND	0.067	mg/Kg	02/18/2005 15:27	
4-Methylphenol	ND	0.067	mg/Kg	02/18/2005 15:27	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	02/18/2005 15:27	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	02/18/2005 15:27	
Naphthalene	ND	0.067	mg/Kg	02/18/2005 15:27	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	02/18/2005 15:27	
Acenaphthylene	ND	0.067	mg/Kg	02/18/2005 15:27	
Acenaphthene	ND	0.067	mg/Kg	02/18/2005 15:27	
4-Nitrophenol	ND	0.33	mg/Kg	02/18/2005 15:27	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	02/18/2005 15:27	
Fluorene	ND	0.067	mg/Kg	02/18/2005 15:27	
Pentachlorophenol	ND	0.33	mg/Kg	02/18/2005 15:27	
Phenanthrene	ND	0.067	mg/Kg	02/18/2005 15:27	
Anthracene	ND	0.067	mg/Kg	02/18/2005 15:27	
Fluoranthene	ND	0.067	mg/Kg	02/18/2005 15:27	
Pyrene	ND	0.067	mg/Kg	02/18/2005 15:27	
Benzo(a)anthracene	ND	0.067	mg/Kg	02/18/2005 15:27	
Chrysene	ND	0.067	mg/Kg	02/18/2005 15:27	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	02/18/2005 15:27	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	02/18/2005 15:27	
Benzo(a)pyrene	ND	0.067	mg/Kg	02/18/2005 15:27	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	02/18/2005 15:27	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	02/18/2005 15:27	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	02/18/2005 15:27	
<b>Surrogates(s)</b>					
Nitrobenzene-d5	85.4	23-120	%	02/18/2005 15:27	

Severn Trent Laboratories, Inc.

03/01/2005 11:56

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**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550B/8270C

Test(s): 8270C

**Method Blank**

**Soil**

**QC Batch # 2005/02/18-02.11**

MB: 2005/02/18-02.11-001

Date Extracted: 02/18/2005 12:11

Compound	Conc.	RL	Unit	Analyzed	Flag
2-Fluorobiphenyl	87.7	30-115	%	02/18/2005 15:27	
p-Terphenyl-d14	82.6	18-137	%	02/18/2005 15:27	
2-Fluorophenol	83.3	25-121	%	02/18/2005 15:27	
Phenol-d5	78.7	24-113	%	02/18/2005 15:27	
2,4,6-Tribromophenol	91.3	19-122	%	02/18/2005 15:27	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2005 11:56

**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550B/8270C

Test(s): 8270C

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/18-02.11**

LCS 2005/02/18-02.11-002

Extracted: 02/18/2005

Analyzed: 02/18/2005 15:54

LCSD 2005/02/18-02.11-003

Extracted: 02/18/2005

Analyzed: 02/18/2005 16:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Phenol	1.21	1.36	2.00	60.5	68.3	12.1	20-90	35		
2-Chlorophenol	1.26	1.47	2.00	63.0	73.9	15.9	27-123	35		
1,4-Dichlorobenzene	0.670	0.760	0.998	67.1	76.2	12.7	28-104	30		
N-Nitroso-di-n-propylamine	0.610	0.840	0.998	61.1	84.3	31.9	25-114	39		
1,2,4-Trichlorobenzene	0.890	0.870	0.998	89.2	87.3	2.2	38-107	35		
4-Chloro-3-methylphenol	1.85	1.55	2.00	92.5	77.9	17.1	26-103	33		
Acenaphthene	0.800	0.860	0.998	80.2	86.3	7.3	49-102	30		
4-Nitrophenol	1.70	1.58	2.00	85.0	79.4	6.8	17-109	35		
2,4-Dinitrotoluene	0.850	0.800	0.998	85.2	80.2	6.0	39-139	38		
Pentachlorophenol	1.63	1.53	2.00	81.5	76.9	5.8	11-114	35		
Pyrene	0.700	0.730	0.998	70.1	73.2	4.3	25-117	35		
<b>Surrogates(s)</b>										
Nitrobenzene-d5	18.7	18.9	25	74.8	75.6		23-120			
2-Fluorobiphenyl	17.1	18.3	25	68.4	73.2		30-115			
p-Terphenyl-d14	18.5	19.6	25	74.0	78.4		18-137			
2-Fluorophenol	31.8	38.0	50	63.6	76.0		25-121			
Phenol-d5	34.2	40.1	50	68.4	80.2		24-113			
2,4,6-Tribromophenol	42.5	45.4	50	85.0	90.8		19-122			

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2005 11:56

**Semi-volatile analysis by GC/MS - EPA8270C**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

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**Legend and Notes**

---

**Analysis Flag**

L3

Reporting limits raised due to reduced sample size.

**Result Flag**

S6

Surrogate recoveries lower than acceptance limits.  
Matrix interference suspected

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2005 11:56



**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/22/2005 10:52

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	D1	Lab ID:	2005-02-0510 - 1
Sampled:	02/16/2005 10:30	Extracted:	2/21/2005 16:09
Matrix:	Soil	QC Batch#:	2005/02/21-1A.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	02/21/2005 16:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Chloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Methylene chloride	ND	10	ug/Kg	1.00	02/21/2005 16:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Chloroform	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Bromoform	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
Chloromethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	

Severn Trent Laboratories, Inc.

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02/22/2005 10:52

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s): 5030B/5035                      Test(s): 8260B  
Sample ID: D1                              Lab ID: 2005-02-0510 - 1  
Sampled: 02/16/2005 10:30              Extracted: 2/21/2005 16:09  
Matrix: Soil                                 QC Batch#: 2005/02/21-1A.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromomethane	ND	5.0	ug/Kg	1.00	02/21/2005 16:09	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	107.8	74-121	%	1.00	02/21/2005 16:09	
1,2-Dichloroethane-d4	110.8	70-121	%	1.00	02/21/2005 16:09	
Toluene-d8	93.5	81-117	%	1.00	02/21/2005 16:09	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B/5035

**Method Blank**

MB: 2005/02/21-1A.06-003

**Soil**

Test(s): 8260B

**QC Batch # 2005/02/21-1A.06**

Date Extracted: 02/21/2005 13:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Bromoform	ND	5.0	ug/Kg	02/21/2005 13:02	
Bromomethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Carbon tetrachloride	ND	5.0	ug/Kg	02/21/2005 13:02	
Chlorobenzene	ND	5.0	ug/Kg	02/21/2005 13:02	
Chloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Chloroform	ND	5.0	ug/Kg	02/21/2005 13:02	
Chloromethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Dibromochloromethane	ND	5.0	ug/Kg	02/21/2005 13:02	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	02/21/2005 13:02	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	02/21/2005 13:02	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	02/21/2005 13:02	
Dichlorodifluoromethane	ND	10.0	ug/Kg	02/21/2005 13:02	
1,1-Dichloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
1,2-Dichloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
1,1-Dichloroethene	ND	5.0	ug/Kg	02/21/2005 13:02	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	02/21/2005 13:02	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	02/21/2005 13:02	
1,2-Dichloropropane	ND	5.0	ug/Kg	02/21/2005 13:02	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	02/21/2005 13:02	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	02/21/2005 13:02	
Methylene chloride	ND	10.0	ug/Kg	02/21/2005 13:02	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Tetrachloroethene	ND	5.0	ug/Kg	02/21/2005 13:02	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Trichloroethene	ND	5.0	ug/Kg	02/21/2005 13:02	
Trichlorofluoromethane	ND	5.0	ug/Kg	02/21/2005 13:02	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	02/21/2005 13:02	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/22/2005 10:52

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B/5035

**Method Blank**

MB: 2005/02/21-1A.06-003

**Soil**

Test(s): 8260B

**QC Batch # 2005/02/21-1A.06**

Date Extracted: 02/21/2005 13:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	02/21/2005 13:02	
4-Bromofluorobenzene	102.6	74-121	%	02/21/2005 13:02	
1,2-Dichloroethane-d4	100.8	70-121	%	02/21/2005 13:02	
Toluene-d8	97.0	81-117	%	02/21/2005 13:02	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/22/2005 10:52

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B/5035

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/21-1A.06**

LCS 2005/02/21-1A.06-002  
LCSD

Extracted: 02/21/2005

Analyzed: 02/21/2005 12:27

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	89.9		100	89.9			61-121	20		
1,1-Dichloroethene	88.9		100	88.9			65-125	20		
Trichloroethene	87.3		100	87.3			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	502		500	100.4			74-121			
1,2-Dichloroethane-d4	493		500	98.6			70-121			
Toluene-d8	476		500	95.2			81-117			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/22/2005 10:52

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 5030B/5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/02/21-1A.06**

MS/MSD

Lab ID: 2005-02-0605 - 001

MS: 2005/02/21-1A.06-005

Extracted: 02/21/2005

Analyzed: 02/21/2005 14:24

Dilution: 1.00

MSD: 2005/02/21-1A.06-006

Extracted: 02/21/2005

Analyzed: 02/21/2005 14:59

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Chlorobenzene	86.6	87.1	ND	96.5251	89.7	93.2	3.8	61-121	20		
1,1-Dichloroethene	89.6	86.9	ND	96.5251	92.8	93.0	0.2	65-125	20		
Trichloroethene	85.1	84.8	ND	96.5251	88.2	90.7	2.8	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	522	524		500	104.3	104.8		74-121			
1,2-Dichloroethane-d4	525	524		500	105.0	104.7		70-121			
Toluene-d8	482	484		500	96.4	96.9		81-117			

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02/22/2005 10:52

**LUFT 5 Metals**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

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02/23/2005 10:46



**LUFT 5 Metals**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s):	3050B	Test(s):	6010B
Sample ID:	D1	Lab ID:	2005-02-0510 - 1
Sampled:	02/16/2005 10:30	Extracted:	2/18/2005 13:15
Matrix:	Soil	QC Batch#:	2005/02/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	02/19/2005 14:19	
Chromium	13	1.0	mg/Kg	1.00	02/19/2005 14:19	
Lead	6.8	1.0	mg/Kg	1.00	02/19/2005 14:19	
Nickel	27	1.0	mg/Kg	1.00	02/19/2005 14:19	
Zinc	100	1.0	mg/Kg	1.00	02/19/2005 14:19	

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02/23/2005 10:46

**LUFT 5 Metals**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116  
Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2005/02/18-04.15

MB: 2005/02/18-04.15-001

Date Extracted: 02/18/2005 13:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	02/19/2005 12:43	
Chromium	ND	1.0	mg/Kg	02/19/2005 12:43	
Lead	ND	1.0	mg/Kg	02/19/2005 12:43	
Nickel	ND	1.0	mg/Kg	02/19/2005 12:43	
Zinc	ND	1.0	mg/Kg	02/19/2005 12:43	

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02/23/2005 10:46

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**LUFT 5 Metals**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3050B

Test(s): 6010B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/18-04.15**

LCS 2005/02/18-04.15-002

Extracted: 02/18/2005

Analyzed: 02/19/2005 12:46

LCSD 2005/02/18-04.15-003

Extracted: 02/18/2005

Analyzed: 02/19/2005 12:53

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Cadmium	98.5	100	100.0	98.5	100.0	1.5	80-120	20		
Chromium	100	102	100.0	100.0	102.0	2.0	80-120	20		
Lead	97.2	98.7	100.0	97.2	98.7	1.5	80-120	20		
Nickel	98.9	101	100.0	98.9	101.0	2.1	80-120	20		
Zinc	98.9	99.1	100.0	98.9	99.1	0.2	80-120	20		

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02/23/2005 10:46

**PCBs**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/28/2005 13:28

**PCBs**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s): 3550/8082                      Test(s): 8082  
 Sample ID: D1                              Lab ID: 2005-02-0510 - 1  
 Sampled: 02/16/2005 10:30              Extracted: 2/21/2005 10:21  
 Matrix: Soil                                QC Batch#: 2005/02/21-01.14  
 Analysis Flag: S2,L5 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aroclor 1016	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1221	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1232	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1242	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1248	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1254	ND	500	ug/Kg	10.00	02/21/2005 16:07	
Aroclor 1260	ND	500	ug/Kg	10.00	02/21/2005 16:07	
<b>Surrogate(s)</b>						
2,4,5,6-Tetrachloro-m-xylene	NA	50-125	%	10.00	02/21/2005 16:07	
Decachlorobiphenyl (PCB/8082)	NA	46-142	%	10.00	02/21/2005 16:07	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/28/2005 13:28

**PCBs**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550/8082

Test(s): 8082

Method Blank

Soil

QC Batch # 2005/02/21-01.14

MB: 2005/02/21-01.14-001

Date Extracted: 02/21/2005 10:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1221	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1232	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1242	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1248	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1254	ND	50	ug/Kg	02/21/2005 14:16	
Aroclor 1260	ND	50	ug/Kg	02/21/2005 14:16	
<b>Surrogates(s)</b>					
2,4,5,6-Tetrachloro-m-xylene	84.3	50-125	%	02/21/2005 14:16	
Decachlorobiphenyl (PCB/8082)	86.8	46-142	%	02/21/2005 14:16	

**PCBs**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550/8082

Test(s): 8082

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/21-01.14**

LCS 2005/02/21-01.14-002

Extracted: 02/21/2005

Analyzed: 02/21/2005 14:36

LCSD 2005/02/21-01.14-003

Extracted: 02/21/2005

Analyzed: 02/21/2005 14:55

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Aroclor 1016	61.7	64.9	66.5	92.8	97.4	4.8	65-135	30		
Aroclor 1260	63.8	67.1	66.5	95.9	100.8	5.0	65-135	30		
<b>Surrogates(s)</b>										
2,4,5,6-Tetrachloro-m-xylene	43.1	44.7	50	86.3	89.4		50-125	0		
Decachlorobiphenyl	43.7	44.1	50	87.4	88.2		46-142	0		

**PCBs**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

---

**Legend and Notes**

---

**Analysis Flag**

- L5 Reporting limits elevated due to matrix interference.
- S2 Surrogate(s) diluted out.



**Oil & Grease (Petroleum) by EPA 1664A**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

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02/25/2005 16:27

**Oil & Grease (Petroleum) by EPA 1664A**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s): 1664A	Test(s): 1664A
Sample ID: D1	Lab ID: 2005-02-0510 - 1
Sampled: 02/16/2005 10:30	Extracted: 2/22/2005 00:00
Matrix: Soil	QC Batch#: 2005/02/22-03.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (Petroleum)	10000	50	mg/Kg	1.00	02/23/2005	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/25/2005 16:27

**Oil & Grease (Petroleum) by EPA 1664A**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 1664A

Method Blank

MB: 2005/02/22-03.23-001

Soil

Test(s): 1664A

QC Batch # 2005/02/22-03.23

Date Extracted: 02/22/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (Petroleum)	ND	50	mg/Kg	02/23/2005	

Severn Trent Laboratories, Inc.

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02/25/2005 16:27

**Oil & Grease (Petroleum) by EPA 1664A**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 1664A

Test(s): 1664A

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/22-03.23**

LCS 2005/02/22-03.23-002

Extracted: 02/22/2005

Analyzed: 02/23/2005

LCSD 2005/02/22-03.23-003

Extracted: 02/22/2005

Analyzed: 02/23/2005

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (Petroleum)	367	375	400	91.8	93.8	2.2	66-114	24		

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02/25/2005 16:27

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D1	02/16/2005 10:30	Soil	1

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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03/01/2005 17:07

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: D1	Lab ID: 2005-02-0510 - 1
Sampled: 02/16/2005 10:30	Extracted: 2/17/2005 14:00
Matrix: Soil	QC Batch#: 2005/02/17-6C.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1400	50	mg/Kg	50.00	02/21/2005 15:41	ldr
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	50.00	02/21/2005 15:41	S3

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03/01/2005 17:07

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550/8015M

**Method Blank**

MB: 2005/02/17-6C.10-001

**Soil**

Test(s): 8015M

**QC Batch # 2005/02/17-6C.10**

Date Extracted: 02/17/2005 14:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	02/18/2005 12:04	
<b>Surrogates(s)</b> o-Terphenyl	73.9	60-130	%	02/18/2005 12:04	

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03/01/2005 17:07

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

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San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A  
Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/02/17-6C.10**

LCS 2005/02/17-6C.10-002

Extracted: 02/17/2005

Analyzed: 02/18/2005 11:37

LCSD 2005/02/17-6C.10-003

Extracted: 02/17/2005

Analyzed: 02/18/2005 11:10

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.5	33.1	41.6	82.9	79.6	4.1	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	16.7	16.7	20.0	83.6	83.7		60-130			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2005 17:07



**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-76.1A

Shell Sap Number 702530

Received: 02/16/2005 11:43

Site: 4226 First Street, Pleasanton

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**Legend and Notes**

---

**Result Flag**

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

S3

Surrogate recovery not reportable due to required dilution.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/01/2005 17:07

**Brewer, Melissa**

---

**From:** Ross Tinline [rosst@toxicchem.com]  
**Sent:** Wednesday, February 23, 2005 1:51 PM  
**To:** Brewer, Melissa  
**Subject:** RE: Verification/question 4226 First Street, Pleasanton: 2005-02-0510

Melissa,  
The updated substitute protocol will be fine for oil and grease due to the Freon use. And the creosol is ok for creosote.  
Thank you.  
Ross

---

**From:** Brewer, Melissa [mailto:MBrewer@stl-inc.com]  
**Sent:** Tuesday, February 22, 2005 5:46 PM  
**To:** Ross Tinline  
**Subject:** Verification/question 4226 First Street, Pleasanton: 2005-02-0510

From: Melissa Brewer <mbrewer@stl-inc.com>

Project#: EQ-76.1A  
Project Name: Shell Sap Number 702530

This email includes reports for the following tests:

- Cover Letter  
File: STLSF2005020510-ChainofCustody-COC0000432697.PDF
- Project Verification Sheet  
File: STLSF2005020510-ProjectVerificationSheet-PVS0000435084.PDF

Could you send me an e-mail saying that substituting EPA 1664 for EPA 418.1 is OK for Oil & Grease? 418.1 cannot be used anymore because it uses Freon. Also I believe that I already mentioned to you that we are substituting the Creosol compounds for Creosote. They are breakdown products of Creosote.

Thanks.

Please let me know if you have any questions.

Melissa Brewer  
Project Manager

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566-4756  
Phone: (925) 484-1919  
Fax: (925) 484-1096

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