



Shell Oil Products US

February 2, 2005

DONNA DRAGOS

Robert Weston
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County
FEB 7 2005
Environmental Health

Subject: Shell-branded Service Station
1800 Powell Street
Emeryville, California

Dear Mr. Weston:

Attached for your review and comment is a copy of the *Product Dispenser Sampling Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

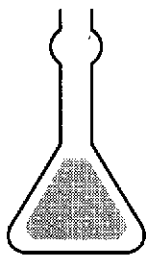
As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer



**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

February 2, 2005
Project EQ-78.1A

REPORTS

Mr. Robert Weston
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Product Dispenser Sampling Report**
Shell-Branded Service Station
1800 Powell Street, Emeryville, California
Incident #98995349, SAP Number 135266

Alameda County
FEB 7 2005
Environmental Health

Dear Mr. Weston:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this report prepared by Toxicchem Management Systems, Inc. (TOXICHEM) transmits the results of sampling conducted during station upgrade activities at the site referenced above. Included in this report is a brief discussion of the site description, scope of work, findings, and conclusions.

SITE DESCRIPTION

The Shell-Branded service station is located on Powell Street immediately adjacent and to the west of Interstate I-80 in Emeryville at the base of the Emeryville Peninsula (Emeryville Marina). Across Powell Street to the south, the East Shore State Park is located within the Emeryville Crescent (a horseshoe shaped tidal marsh with mudflat areas bounding San Francisco Bay). The Bay is located approximately 390 feet south of the site and the nearest creek (Temescal Creek) is located approximately ¼ mile south of the site within the Emeryville Crescent.

The local land use is predominantly a mixture of retail and commercial land uses. Multi-story (hotel and office) buildings bound the site to the west and north, respectively. Interstate 80 and off-ramp are present to the east of the site, and the Eastshore State Park and San Francisco Bay are to the south of the site.

A well survey was performed by Cambria (2004) through the Department of Water Resources. No active water supply wells were found within ½ mile radius of the site. Additionally, groundwater is not used in the study area and is designated as part of the Zone B: Emeryville Brownfields Groundwater Management Zone.

A total of seven groundwater monitoring wells are monitored on an annual basis. During the most recent groundwater monitoring event (November 10, 2004), static groundwater occurred within the on-site wells between 9.35 and 10.45 feet below ground surface (bgs) with flow to the south-southwest. The maximum concentration of total purgeable petroleum hydrocarbons

(TPPH) and benzene was present in Well S-10 at 660 micrograms per liter ($\mu\text{g/L}$) and 64 $\mu\text{g/L}$, respectively. The maximum concentration of methyl tertiary butyl ether (MtBE) was present in Well S-12 at 140 $\mu\text{g/L}$ located upgradient of the UST complex.

Thick, separate-phase liquid/tar has been present in Well S-9 at thicknesses up to 2.8 feet (with an outlier thickness measurement of 9 feet), therefore the well is not gauged, nor sampled during the monitoring event. The liquid has been analyzed by Shell Global Solutions and Triton Analytics Corporation. They concluded that:

- About 18% is gasoline range hydrocarbons.
- There was little material from the chromatographic region of about carbon number C_{13} to C_{18} or boiling points from about 455 to 600°F.
- Approximately 45% of the sample's weight lies in the vacuum gas oil range, or the carbon region above diesel (above 650°F) to the region of vacuum tower bottoms (pitch, asphalt).
- Approximately 35% of the material represents the heaviest fraction (1000°F+ to a max of C_{110} or boiling point 1351°F).
- There are many types of roofing materials that would have a significant amount of hydrocarbons in the Vacuum Gas Oil (VGO) range as well the Vacuum Residue range (Pitch) (1000°F). Some roofing materials that are applied as a semi-liquid from a 5 gal bucket contain solvent that evaporates after application but then remained quite flexible due to the mixture of vacuum gas oils in addition to the pitch and other fillers. The roofing materials (hot melt) contain less of the VGOs and are therefore more rigid and not sticky after application.

In summary, the material present in Well S-9 can be attributable to the previous facility at the site: Beginning in 1884, the Paraffine Company operated an industrial complex on the Emeryville waterfront and filled areas along the shoreline through 1969. Based on boring log data, the fill at the Shell service station is at least 10 feet deep and appears continuous across the site. The fill consists of imported clayey, silty and sandy soil, industrial material and construction debris (concrete, bricks, tar paper and wood fragments). Products manufactured by Paraffine included: linoleum, roofing and building materials, paints, varnishes, lacquers and enamels.

SCOPE OF WORK

The scope of this investigation included the following activities:

- Collect soil samples from beneath the product dispensers and one location beneath product piping at the direction of the Alameda County Health Agency, Department of Environmental Health (ACDEH).
- Collect samples of residual materials generated during excavation activities and profile for disposal.

FINDINGS

Product Dispenser Sampling

Prior to TOXICHEM's arrival on September 22, 2004, Gettler Ryan, Inc. had removed the nine product dispensers to facilitate environmental sampling (Figure 1). At the direction of the ACDEH, TOXICHEM collected soil samples beneath each of the nine former product dispensers at between 4.5 and 5.5 feet bgs. Sample locations are shown on Figure 1. Soil analytical data is presented in Table 1. Field procedures are presented as Attachment A.

Product Line Replacement Sampling

Due to a product line failing a line test prior to station re-opening, the section of piping was replaced and soil samples were collected on October 12, 2004. Two soil samples were collected by TOXICHEM at the direction of the ACDEH at depths of 4.3 and 4.6 feet bgs (at sample location MPD-10, Figure 1). Deeper sampling and overexcavation were not feasible due to the newly installed product piping. An Unauthorized Release Report (URR) was submitted by Shell to the ACDEH via email on October 15, 2004 (a copy is included as Attachment A).

Soil Analytical Data

Soil analytical data are summarized below and are presented on Table 1. At the request of the ACDEH, all soil samples (including soil stockpile samples) were analyzed for total extractable petroleum hydrocarbons (TEPH) by EPA Method 8015M; TPPH, benzene, toluene, ethylbenzene and xylene (BTEX) compounds, MtBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-Butyl alcohol (TBA), 1,2-DCA and EDB by EPA Method 8260B; and for total lead by EPA Method 6010B. The certified analytical reports and chain-of-custody documentation for the soil samples are presented as Attachment B.

- During the dispenser sampling performed on September 22, 2004 all nine soil samples contained detectable concentrations reported as TEPH. However, the laboratory noted that the low concentrations (1.5 to 85 mg/kg) reported in Samples MPD-1 through MPD-7 did not match their diesel standard and were mainly constituents in the late diesel range. The seven samples also did not contain detected concentrations of TPPH.
- Samples MPD-8 and MPD-9 were reported to contain 3,500 mg/kg and 320 mg/kg TEPH, respectively but were noted to be in the early diesel range and did not match the laboratory diesel standard. Interestingly, Sample MPD-8 which reported the maximum concentration as TEPH (3,500 mg/kg, though in the early diesel range and not indicative of diesel) did not contain any other detectable constituent analyzed with the exception of minor TPPH (54 mg/kg) and lead at 5.4 mg/kg.
- Similarly, the concentrations reported as TEPH beneath the replaced product lines were not indicative of diesel and were reported as being in the early diesel range (Samples MPD-10 at 4.3 and 4.6 feet bgs). The maximum concentrations of TPPH were associated with Sample MPD-10 at these two sample depths at 7,900 and 5,600 mg/kg, respectively. Additionally, the maximum site concentrations of toluene, ethylbenzene and xylenes were detected in Sample MPD-10 at 53 mg/kg (at 4.6 feet bgs), 26 mg/kg (at 4.6 feet bgs) and 630 mg/kg (at 4.3 feet bgs), respectively.

- Benzene was only reported above the detection limit in one of the eleven samples collected (MPD-5 at 0.031 mg/kg).
- MtBE was detected in three of the eleven samples collected at a maximum concentration of 0.64 mg/kg in Sample MPD-3. TBA was detected in two of the eleven samples collected at a maximum concentration of 0.032 mg/kg in Sample MPD-6. No additional oxygenates or lead scavengers were detected in the dispenser samples collected.
- Lead was detected in every soil sample analyzed at concentrations ranging from 4.2 mg/kg (MPD-10 at 4.3 feet bgs) to 150 mg/kg (MPD-1 at 4.5 feet bgs).

Residual Sampling and Disposal Documentation

During site upgrade activities, soil generated was stockpiled on visqueen, sampled and profiled for disposal. On October 5, 2004, approximately 30.5 tons of soil was hauled by Manley and Sons Trucking to Forward Landfill in Manteca, California. Disposal documentation is included in Attachment C.

To facilitate tank top upgrade activities, minor dewatering was required. A vacuum truck from Onyx Industrial was utilized to extract approximately 3,779 gallons of groundwater from the UST pit on September 15, 2004. The groundwater was hauled under Bill of Lading to the Shell Martinez Refinery for recycling and treatment (Attachment C).

All removed piping, sumps and miscellaneous equipment was contained within a storage bin and transported to ECI under hazardous waste manifest for disposal. Hazardous waste manifests are included in Attachment C.

CONCLUSIONS

Based on the results of this investigation, TOXICHEM concludes that:

- The concentrations reported as TEPH in the soil samples collected is not indicative of diesel fuel.
- The samples collected beneath the replaced piping (MPD-10 at 4.3 and 4.6 feet bgs) reported the maximum concentrations of TPPH (7,900 mg/kg and 5,600 mg/kg, respectively), however benzene was not detected in the samples.
- Benzene was only reported above the detection limit in one of the eleven samples collected (MPD-5 at 0.031 mg/kg).
- MtBE was detected in three of the eleven samples collected at a maximum concentration of 0.64 mg/kg in Sample MPD-3. TBA was detected in two of the eleven samples collected at a maximum concentration of 0.032 mg/kg in Sample MPD-6. No additional oxygenates or lead scavengers were detected in the dispenser samples collected.
- A total of approximately 3,779 gallons of groundwater was removed from the UST area.
- An Unauthorized Release Report (URR) was submitted by Shell to the ACDEH via email on October 15, 2004 (a copy is included as Attachment A).

February 2, 2005

Page 5

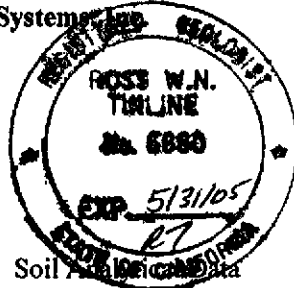
If you have any questions regarding this report, please contact me at (650) 551-0112.

Sincerely,

Toxichem Management Systems, Inc.



Ross Tinline, R.G.
Senior Geologist



Attachments: Table 1 - Soil Analysis Data
Figure 1 - Dispenser Soil Sample Location Map
Attachment A - Field Procedures and Unauthorized Release Report
Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation
Attachment C - Soil, Groundwater and Piping Disposal Documentation

cc: Jim Martin, Shell Oil Products US, 418 Regal Lily Lane, San Ramon,
California, 94583 (Without Attachment B)
Karen Petryna, Shell Oil Products US, 20945 S. Wilmington, Carson, California 90810

Table 1
Soil Analytical Data
Total Petroleum Hydrocarbons, BTEX Compounds, Fuel Oxygenates, Lead Scavengers and Lead
By EPA Methods 8260B, 8015M and 6010B

Shell Branded Service Station
1800 Powell Street, Emeryville

Sample Number	Depth (feet bgs)	Date Sampled	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (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)	Lead (mg/kg)
Soil																
MPD-1	4.5	09/22/04	85 ldr	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	150
MPD-2	5.0	09/22/04	33 ldr	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	48
MPD-3	5.0	09/22/04	42 ldr	<50	<0.50	<0.50	<0.50	<0.50	0.64	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	39
MPD-4	5.0	09/22/04	1.5 ldr	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	16
MPD-5	5.0	09/22/04	12 ldr	<1.0	0.031	<0.005	<0.005	<0.005	0.0064	0.011	<0.010	<0.005	<0.005	<0.005	<0.005	15
MPD-6	5.5	09/22/04	3.6 ldr	<1.0	<0.005	<0.005	<0.005	0.013	0.027	0.032	<0.010	<0.005	<0.005	<0.005	<0.005	5.7
MPD-7	5.0	09/22/04	54 ndp	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	5.4
MPD-8	5.0	09/22/04	3,500 edr	54	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	8.3
MPD-9	5.0	09/22/04	320 edr	1,300	<0.50	<0.50	7.1	17	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	9.5
MPD-10	4.3	10/12/04	970 edr	7,900	<5.0	32	21	630	<5.0	<25	<10	<5.0	<5.0	<5.0	<5.0	4.2
	4.6	10/12/04	110 edr	5,600	<5.0	53	26	530	<5.0	<25	<10	<5.0	<5.0	<5.0	<5.0	20
Stockpile																
SP-1,2,3,4		09/22/04	280 ndp	4.3	<0.005	<0.005	0.018	0.20	NA	NA	NA	NA	NA	NA	NA	28

TEPH = Total extractable petroleum hydrocarbons

TPPH = Total purgeable petroleum hydrocarbons

MtBE = Methyl tert-butyl ether

TBA = Tertiary butyl alcohol, or t-butanol

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary-butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane, or ethylene dichloride (EDC)

EDB = Ethylene dibromide

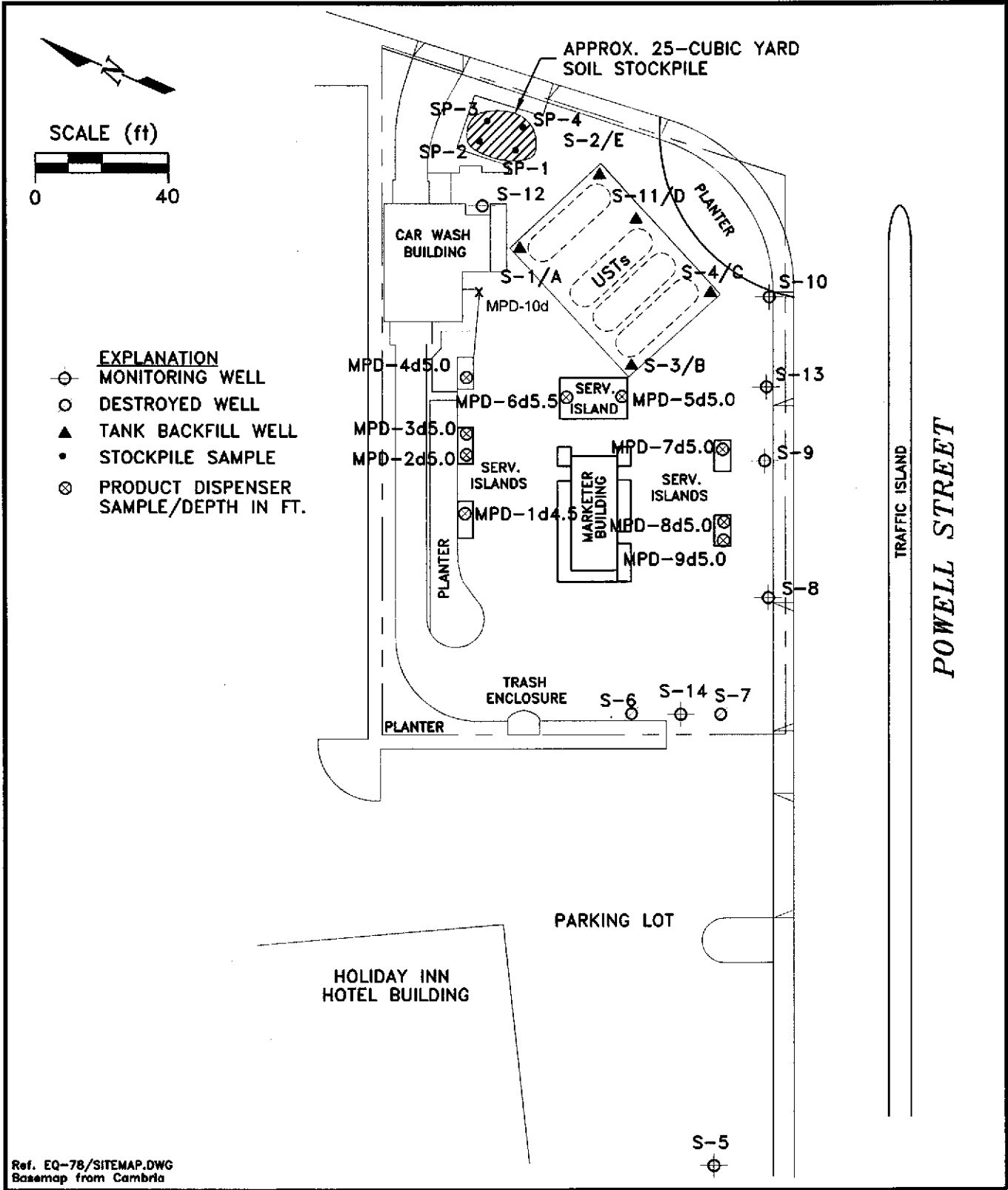
mg/kg = Milligrams per kilogram

bgs = Below ground surface

ldr = Hydrocarbon reported in late diesel range and does not match lab diesel standard.

ndp = Hydrocarbon reported in does not match lab diesel standard.

edr = Hydrocarbon reported in early diesel range and does not match lab diesel standard.



PREPARED BY



TOXICHEM
Management
Systems, Inc.

Environmental & Occupational Health Services

Shell-Branded Service Station
1800 Powell Street
Emeryville, California

DISPENSER SOIL SAMPLE LOCATION MAP

FIGURE:

1

PROJECT:

EQ-78

ATTACHMENT A

FIELD PROCEDURES AND UNAUTHORIZED RELEASE REPORT

FIELD PROCEDURES

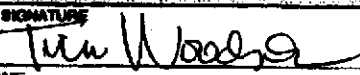
Soil Sampling Procedures

Soil samples were collected by advancing a hand driven stainless-steel sampling sleeve and brass ring into undisturbed soil, or alternatively by driving a brass sleeve into native soil excavated by the backhoe. Soil samples were retained in brass rings, capped with Teflon squares and plastic end caps, labeled, and immediately stored in an iced chest. The soil samples, along with a completed chain of custody were submitted to a certified laboratory.

Stockpile Sampling Procedures

The soil stockpile was sampled by driving brass sleeves into freshly exposed material and composited in the laboratory to represent the material in the stockpile. The brass sleeves were then capped with Teflon squares, affixed with plastic end caps, labeled, placed in an iced cooler and transported to the laboratory.

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 10/15/04		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT TIM WOODSON		PHONE (925) 766-3494	SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME SHELL OIL PRODUCTS US		
ADDRESS 20945 S WILMINGTON AVE CARSON CA 90810					
RESPONSIBLE PARTY	NAME SHELL OIL PRODUCTS US		CONTACT PERSON TIM WOODSON		PHONE (925) 766 3494
	ADDRESS 20945 S WILMINGTON AVE CARSON CA 90810				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) SHELL BRANDED SERVICE STATION		OPERATOR CAHN DU		PHONE (510) 653-1800
	ADDRESS 1800 POWELL STREET EMERYVILLE ALAMEDA 94608				
IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA COUNTY HEALTH AGENCY		CONTACT PERSON ROBERT WESTON		PHONE (510) 567-6781
	REGIONAL BOARD SAN FRANCISCO RWQCB		CONTACT PERSON CHUCK HEADLEE		PHONE (510) 622-2433
SUBSTANCES INVOLVED	(1) NAME GASOLINE				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)				<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 10/08/04		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> RISK ASSESSMENT CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER LINE TEST		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER FLUSH LINES & REPLACE PIPING SECTION		
SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> EXISTING GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" type="checkbox"/> GROUNDWATER MONITORING ONGOING <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POLLUTION CHARACTERIZATION IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP SITE (CS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (PT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HA) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)				
COMMENTS	DURING STATION TANK TOP AND DISPENSER UPGRADE, ONE SECTION OF PRODUCT PIPING FAILED THE LINE TEST. THE SECTION WAS SUBSEQUENTLY REPLACED AND SOIL SAMPLES COLLECTED BENEATH SECTION.				

FMS Site Compliance Report

GVR ID: 100966
Site Id: 135266

Period: 01/01/2004 to 10/15/2004

Customer: Equiva
PO BOX 174
Sparta, NJ 07871

Site: Shell
1800 Powell Street
Emeryville, CA 94608

Report Created: 10/15/2004 08:29 PM

Tank Release Detection Results

Tank	Product	Test Date	Type	Full Vol	Result
1	REGULAR	09/07/2004	0.2 GPH Monthly	61%	Passed
2	PLUS	09/07/2004	0.2 GPH Monthly	59%	Passed
3	PREMIUM	09/07/2004	0.2 GPH Monthly	34%	Passed
4	DIESEL	09/07/2004	0.2 GPH Monthly	23%	Passed

Line Release Detection Results

Line	Product	Test Date	Type	Result
1	REGULAR	04/22/2004	0.1 GPH Annual	Passed
2	PLUS	04/22/2004	0.1 GPH Annual	Passed
3	PREMIUM	04/22/2004	0.1 GPH Annual	Passed
4	DIESEL	01/26/2004	0.1 GPH Annual	Passed

This report documents tank and line tests performed at the above location for the indicated date and period.
This report and the tests performed are part of the Equiva monitoring and reporting program, and
are intended to satisfy federal EPA UST release detection and record keeping requirements. Fuel Logistics Services
VR101: Page 9 of 10

ATTACHMENT B

**CERTIFIED ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION**

Drogos, Donna, Env. Health

From: Weston, Robert, Env. Health
Sent: Tuesday, October 26, 2004 4:19 PM
To: Drogos, Donna, Env. Health; Schultz, Robert, Env. Health; Chan, Barney, Env. Health
Subject: FW: 1800-1/2 Powell Street, Emeryville - Soil analytical results



Upgrade release
results.pdf (5...



Dispenser Sample
Location Map....

RESULTS OF SAMPLING AT EMERYVILLE DUE TO THE LEAKING SW FRP PIPE.

Robert Weston
Alameda County Department of Environmental Health
510 567-6781

CONFIDENTIALITY NOTICE: This electronic mail transmission may contain privileged information and/or confidential information only for the use by the intended recipients. Any usage, distribution, copying or disclosure by any other person, other than the intended recipient is strictly prohibited and may be subject to civil action and/or criminal penalties. If you have received this e-mail transmission in error, please notify the sender by e-mail or by telephone and delete the transmission.

-----Original Message-----

From: Ross Tinline [mailto:rosst@toxichem.com]
Sent: Tuesday, October 26, 2004 4:05 PM
To: Weston, Robert, Env. Health
Cc: Karen Petryna; Jim Martin; Tim Woodson
Subject: 1800-1/2 Powell Street, Emeryville - Soil analytical results

Robert,
As previously requested, please find attached the subsequent analytical report for the sampling performed beneath the product line that was tested. Please call or email any further questions you may have.

Thank you,
Ross

Ross Tinline
Toxichem Management Systems, Inc.
(650)551-0112
(650)551-0116 (fax)
(650)218-3766 (cell)

Toxichem Management Systems, Inc-San Jose

October 21, 2004

11 Kenton Drive
San Carlos, CA 94070
Attn.: Ross Tinline
Project#: EQ-77.1A
Project: 98995349
Site: 1800 Powell Street, Emeryville

Dear Mr. Tinline


Attached is our report for your samples received on 10/13/2004 09:14
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
11/27/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,



Surinder Sidhu
Project Manager

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-10d4.3	10/12/2004	Soil	1

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A

98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M Test(s): 8015M
 Sample ID: **MPD-10d4.3** Lab ID: 2004-10-0436 - 1
 Sampled: 10/12/2004 Extracted: 10/15/2004 07:18
 Matrix: Soil QC Batch#: 2004/10/15-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	970	5.0	mg/Kg	5.00	10/16/2004 11:47	edr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	10/16/2004 11:47	sd

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

10/18/2004 08:42

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/15-03.10

MB: 2004/10/15-03.10-001

Date Extracted: 10/15/2004 07:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/15/2004 10:04	
Surrogates(s) o-Terphenyl	92.1	60-130	%	10/15/2004 10:04	

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

10/18/2004 08:42

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/10/15-03.10

LCS 2004/10/15-03.10-002

Extracted: 10/15/2004

Analyzed: 10/15/2004 09:55

LCSD 2004/10/15-03.10-003

Extracted: 10/15/2004

Analyzed: 10/15/2004 10:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	33.5	34.3	41.4	80.9	82.3	1.7	60-130	25		
Surrogates(s) o-Terphenyl	17.1	17.2	20.0	85.4	86.2		60-130	0		

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

10/18/2004 08:42

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A

98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Legend and Notes

Result Flag

edr

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

sd

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

10/18/2004 08:42

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A

98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-10d4.6	10/12/2004	Soil	2

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

10/19/2004 12:27

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **MPD-10d4.6** Lab ID: 2004-10-0436 - 2
Sampled: 10/12/2004 Extracted: 10/18/2004 07:22
Matrix: Soil QC Batch#: 2004/10/18-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	110	1.0	mg/Kg	1.00	10/19/2004 09:35	edr
Surrogate(s)						
o-Terphenyl	90.9	60-130	%	1.00	10/19/2004 09:35	

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10/19/2004 12:27

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/18-02.10

MB: 2004/10/18-02.10-001

Date Extracted: 10/18/2004 07:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/18/2004 14:05	
Surrogates(s) o-Terphenyl	88.7	60-130	%	10/18/2004 14:05	

Severn Trent Laboratories, Inc.

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10/19/2004 12:27

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/10/18-02.10

LCS 2004/10/18-02.10-002

Extracted: 10/18/2004

Analyzed: 10/18/2004 14:05

LCSD 2004/10/18-02.10-003

Extracted: 10/18/2004

Analyzed: 10/18/2004 14:33

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.6	33.9	41.7	75.8	81.3	7.0	60-130	25		
Surrogates(s) o-Terphenyl	17.0	17.9	20.0	84.8	89.5		60-130	0		

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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

10/19/2004 12:27

Total Extractable Petroleum Hydrocarbons (TEPH)

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-77.1A

98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Legend and Notes

Result Flag

edr

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

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

10/19/2004 12:27

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-10d4.3	10/12/2004	Soil	1
MPD-10d4.6	10/12/2004	Soil	2

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B Test(s): 8260B
 Sample ID: **MPD-10d4.3** Lab ID: 2004-10-0436 - 1
 Sampled: 10/12/2004 Extracted: 10/19/2004 02:41
 Matrix: Soil QC Batch#: 2004/10/18-3A.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	7900	500	mg/Kg	10.00	10/19/2004 02:41	
Benzene	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
Toluene	32	5.0	mg/Kg	10.00	10/19/2004 02:41	
Ethyl benzene	21	5.0	mg/Kg	10.00	10/19/2004 02:41	
Total xylenes	630	5.0	mg/Kg	10.00	10/19/2004 02:41	
tert-Butyl alcohol (TBA)	ND	25	mg/Kg	10.00	10/19/2004 02:41	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
Di-isopropyl Ether (DIPE)	ND	10	mg/Kg	10.00	10/19/2004 02:41	
Ethyl tert-butyl ether (ETBE)	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
tert-Amyl methyl ether (TAME)	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
1,2-DCA	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
EDB	ND	5.0	mg/Kg	10.00	10/19/2004 02:41	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	10/19/2004 02:41	sd
Toluene-d8	NA	47-136	%	10.00	10/19/2004 02:41	sd

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

10/19/2004 16:25

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B Test(s): 8260B
Sample ID: MPD-10d4.6 Lab ID: 2004-10-0436 - 2
Sampled: 10/12/2004 Extracted: 10/19/2004 03:02
Matrix: Soil QC Batch#: 2004/10/18-3A.66
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	5600	500	mg/Kg	10.00	10/19/2004 03:02	
Benzene	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
Toluene	53	5.0	mg/Kg	10.00	10/19/2004 03:02	
Ethyl benzene	26	5.0	mg/Kg	10.00	10/19/2004 03:02	
Total xylenes	530	5.0	mg/Kg	10.00	10/19/2004 03:02	
tert-Butyl alcohol (TBA)	ND	25	mg/Kg	10.00	10/19/2004 03:02	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
Di-isopropyl Ether (DIPE)	ND	10	mg/Kg	10.00	10/19/2004 03:02	
Ethyl tert-butyl ether (ETBE)	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
tert-Amyl methyl ether (TAME)	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
1,2-DCA	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
EDB	ND	5.0	mg/Kg	10.00	10/19/2004 03:02	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	10/19/2004 03:02	sd
Toluene-d8	NA	47-136	%	10.00	10/19/2004 03:02	sd

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2004/10/18-3A.66

MB: 2004/10/18-3A.66-045

Date Extracted: 10/18/2004 23:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.50	mg/Kg	10/18/2004 23:45	
Toluene	ND	0.50	mg/Kg	10/18/2004 23:45	
Ethyl benzene	ND	0.50	mg/Kg	10/18/2004 23:45	
Total xylenes	ND	0.50	mg/Kg	10/18/2004 23:45	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	10/18/2004 23:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/18/2004 23:45	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	10/18/2004 23:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	10/18/2004 23:45	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	10/18/2004 23:45	
1,2-DCA	ND	0.50	mg/Kg	10/18/2004 23:45	
EDB	ND	0.50	mg/Kg	10/18/2004 23:45	
Surrogates(s)					
1,2-Dichloroethane-d4	92.9	53-129	%	10/18/2004 23:45	
Toluene-d8	92.8	47-136	%	10/18/2004 23:45	

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

10/19/2004 16:25

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/18-3A.66

LCS 2004/10/18-3A.66-002

Extracted: 10/18/2004

Analyzed: 10/18/2004 23:02

LCSD 2004/10/18-3A.66-023

Extracted: 10/18/2004

Analyzed: 10/18/2004 23:23

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	8.67	10.0	10	86.7	100.0	14.2	69-129	20		
Toluene	8.31	9.72	10	83.1	97.2	15.6	70-130	20		
Methyl tert-butyl ether (MTBE)	10.3	11.5	10	103.0	115.0	11.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	218	244	250	87.2	97.6		53-129			
Toluene-d8	226	258	250	90.4	103.2		47-136			

Severn Trent Laboratories, Inc.

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

10/19/2004 16:25

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

sd

Surrogate recovery not reportable due to required dilution.

Total Lead

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-77.1A

98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-10d4.3	10/12/2004	Soil	1
MPD-10d4.6	10/12/2004	Soil	2

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

10/20/2004 11:46

Total Lead

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B	Test(s): 6010B
Sample ID: MPD-10d4.3	Lab ID: 2004-10-0436 - 1
Sampled: 10/12/2004	Extracted: 10/18/2004 08:16
Matrix: Soil	QC Batch#: 2004/10/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.2	1.0	mg/Kg	1.00	10/18/2004 22:21	

Total Lead

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B	Test(s): 6010B
Sample ID: MPD-10d4.6	Lab ID: 2004-10-0436 - 2
Sampled: 10/12/2004	Extracted: 10/18/2004 08:16
Matrix: Soil	QC Batch#: 2004/10/18-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	20	1.0	mg/Kg	1.00	10/18/2004 22:27	

Total Lead

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B
Method Blank

Soil

Test(s): 6010B
QC Batch # 2004/10/18-04.15

MB: 2004/10/18-04.15-125

Date Extracted: 10/18/2004 08:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	10/18/2004 22:03	

Total Lead

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-77.1A
98995349

Received: 10/13/2004 09:14

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/10/18-04.15

LCS 2004/10/18-04.15-126

Extracted: 10/18/2004

Analyzed: 10/18/2004 22:10

LCSD 2004/10/18-04.15-127

Extracted: 10/18/2004

Analyzed: 10/18/2004 22:15

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	95.7	93.9	100.0	95.7	93.9	1.9	80-120	20		

Severn Trent Laboratories, Inc.

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

10/20/2004 11:46

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-10-1436

Checklist completed by: (initials) JM Date: 10/14/04

Courier name: STL San Francisco Client W.C.

- Custody seals intact on shipping container/samples
Chain of custody present?
Chain of custody signed when relinquished and received?
Chain of custody agrees with sample labels?
Samples in proper container/bottle?
Sample containers intact?
Sufficient sample volume for indicated test?
All samples received within holding time?

Container/Temp Blank temperature in compliance (4°C ± 2)? Temp: 6°C

Potential reason for > 6°C - Ice melted, Ice in bags, Not enough ice, Not enough blue ice, Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample) Ice Present

Water - VOA vials have zero headspace? No VOA vials submitted

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? pH adjusted- Preservative used: HNO3, HCl, H2SO4, NaOH, ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) Date: / /04 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

STL-San Francisco

SHELL Chain Of Custody Record

89748

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

2004-10-0436

Bill Merchant, Shell Oil Products US

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 3 4 9

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 2 2 6

DATE: 10/12/04

PAGE: 1 of 1

SAMPLING COMPANY: Toxichem Management Systems, Inc.		LOG CODE: TMSO	SITE ADDRESS (Street and City): 1800 Powell Street, Emeryville		GLOBAL ID NO: T0600101231																
ADDRESS: 11 Kanton Avenue, San Carlos, California, 94070			TOP DELIVERABLE TO (Responsible Party or Device): Ross Tinkno	PHONE NO: 650.551.0112	E-MAIL: rosst@toxichem.com																
PROJECT CONTACT (Company or PAF Representative): Ross Tinkno			LABORATORY PROJECT ID: EQ-77-1A																		
TELEPHONE: 650.551.0112	FAX: 650.551.0116	E-MAIL: rosst@toxichem.com	LAB USE ONLY																		
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS																					
REQUESTED ANALYSIS																					
<input type="checkbox"/> IA - RSVOC REPORT FORMAT <input checked="" type="checkbox"/> UST AGENCY		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes <div style="font-size: 2em; text-align: center;">6°C</div>																			
GC-MS/MS CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____																					
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDDTS <u>NOT</u> NEEDED <input type="checkbox"/>																					
LAB USE ONLY	Field Sample Identification		SAMPLING		TPH - Purgeable (8260)	TPH - Extractable (8260)	BTEX (8260)	MTBE	BVA	5 Oxygenates (8260)	EDB and EDC (8260)	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead X Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUPTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CMT17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal	TEMPERATURE ON RECEIPT °C	
	DATE	TIME	MATRIX	NO. OF CONT.																	
	MPD-10d4.3	HHHHHH	S	1	X	X	X			X	X					X					
	MPD-11d4.6	HHHHHH	S	1	X	X	X			X	X					X					
Requested by (Signature): <i>[Signature]</i>	Requested by (Signature): <i>[Signature]</i>	Date: 10-13-04	Time: 9:14 AM																		
Requested by (Signature): <i>[Signature]</i>	Requested by (Signature): <i>[Signature]</i>	Date: 10-13-04	Time: 11:00 AM																		
Requested by (Signature):	Requested by (Signature):	Date:	Time:																		

Toxichem Management Systems, Inc-San Jose

September 27, 2004

11 Kenton Drive
San Carlos, CA 94070

Attn.: Ross Tinline

Project#: EQ-77.1A

Project: 98995349

Site: 1800 Powell Street, Emeryville

Dear Mr. Tinline

Attached is our report for your samples received on 09/22/2004 14:56

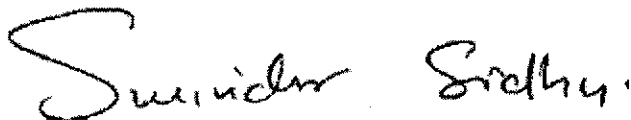
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,



Surinder Sidhu
Project Manager

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

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1,2,3,4	09/22/2004 11:40	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

09/23/2004 13:19

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B	Test(s): 6010B
Sample ID: SP-1,2,3,4	Lab ID: 2004-09-0656 - 1
Sampled: 09/22/2004 11:40	Extracted: 9/22/2004 16:18
Matrix: Soil	QC Batch#: 2004/09/22-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	28	1.0	mg/Kg	1.00	09/23/2004 11:06	

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B
Method Blank

Soil

Test(s): 6010B
QC Batch # 2004/09/22-05.15

MB: 2004/09/22-05.15-047

Date Extracted: 09/22/2004 16:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/23/2004 09:38	

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/09/22-05.15

LCS 2004/09/22-05.15-048

Extracted: 09/22/2004

Analyzed: 09/23/2004 09:43

LCSD 2004/09/22-05.15-049

Extracted: 09/22/2004

Analyzed: 09/23/2004 09:46

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	95.8	96.5	100.0	95.8	96.5	0.7	80-120	20		

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

09/23/2004 13:19

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1,2,3,4	09/22/2004 11:40	Soil	1

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **SP-1,2,3,4** Lab ID: 2004-09-0656 - 1
Sampled: 09/22/2004 11:40 Extracted: 9/23/2004 06:45
Matrix: Soil QC Batch#: 2004/09/23-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	280	1.0	mg/Kg	1.00	09/23/2004 11:57	ndp
Surrogate(s)						
o-Terphenyl	80.0	60-130	%	1.00	09/23/2004 11:57	

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/09/23-1B.10

MB: 2004/09/23-1B.10-001

Date Extracted: 09/23/2004 06:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/23/2004 11:04	
Surrogates(s) o-Terphenyl	90.0	60-130	%	09/23/2004 11:04	

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

09/24/2004 12:54

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/09/23-1B.10

LCS 2004/09/23-1B.10-002

Extracted: 09/23/2004

Analyzed: 09/23/2004 10:36

LCSD 2004/09/23-1B.10-003

Extracted: 09/23/2004

Analyzed: 09/23/2004 11:03

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	29.6	29.9	41.6	71.2	71.9	1.0	60-130	25		
Surrogates(s) o-Terphenyl	16.3	15.9	20.0	81.4	79.4		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

09/24/2004 12:54

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1,2,3,4	09/22/2004 11:40	Soil	1

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: SP-1,2,3,4	Lab ID: 2004-09-0656 - 1
Sampled: 09/22/2004 11:40	Extracted: 9/23/2004 20:37
Matrix: Soil	QC Batch#: 2004/09/23-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	4.3	1.0	mg/Kg	1.00	09/23/2004 20:37	
Benzene	ND	0.0050	mg/Kg	1.00	09/23/2004 20:37	
Toluene	ND	0.0050	mg/Kg	1.00	09/23/2004 20:37	
Ethyl benzene	0.018	0.0050	mg/Kg	1.00	09/23/2004 20:37	
Total xylenes	0.20	0.0050	mg/Kg	1.00	09/23/2004 20:37	
Surrogate(s)						
1,2-Dichloroethane-d4	109.5	76-124	%	1.00	09/23/2004 20:37	
Toluene-d8	86.9	75-116	%	1.00	09/23/2004 20:37	

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

09/24/2004 15:01

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/09/23-2A.66-035

Soil

Test(s): 8260B

QC Batch # 2004/09/23-2A.66

Date Extracted: 09/23/2004 18:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	09/23/2004 18:35	
Benzene	ND	0.0050	mg/Kg	09/23/2004 18:35	
Toluene	ND	0.0050	mg/Kg	09/23/2004 18:35	
Ethyl benzene	ND	0.0050	mg/Kg	09/23/2004 18:35	
Total xylenes	ND	0.0050	mg/Kg	09/23/2004 18:35	
Surrogates(s)					
1,2-Dichloroethane-d4	101.8	76-124	%	09/23/2004 18:35	
Toluene-d8	96.2	75-116	%	09/23/2004 18:35	

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

09/24/2004 15:01

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/09/23-2A:66

LCS 2004/09/23-2A.66-050

Extracted: 09/23/2004

Analyzed: 09/23/2004 17:50

LCSD 2004/09/23-2A.66-013

Extracted: 09/23/2004

Analyzed: 09/23/2004 18:13

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0551	0.0565	0.05	110.2	113.0	2.5	69-129	20		
Toluene	0.0489	0.0504	0.05	97.8	100.8	3.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	449	461	500	89.8	92.2		76-124			
Toluene-d8	490	487	500	98.0	97.4		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

09/24/2004 15:01

STL-San Francisco

SHELL Chain Of Custody Record

89091

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT HOUSTON

2004-09-0656

Bill Merchant, Shell Oil Products US

RIPR# 38295

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 3 4 9

SAP or CRMT NUMBER (ITS/CRMT)

1 3 5 2 2 6

DATE: 9/22/04

PAGE: 1 of 1

COMPLETING COMPANY Toxicchem Management Systems, Inc. 11 Kenton Avenue, San Carlos, California, 94070 PROJECT CONTACT (Availability of PCP Report to): Ross Tinline TELEPHONE: 650.551.0112 FAX: 650.551.0116 E-MAIL: ross@toxicchem.com		LAB CODE TMSO		SITE ADDRESS (Street and City) 1800 Powell Street, Emeryville		GLOBAL ID NO. T0600101231	
TURNAROUND TIME (BUSINESS DAYS) <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		PROJECT CONTACT (Availability of PCP Report to): Ross Tinline TELEPHONE: 650.551.0112 FAX: 650.551.0116 E-MAIL: ross@toxicchem.com		NOT DELIVERABLE TO Release/Member Party or Employee: Ross Tinline PHONE NO: 650.551.0112 EMAIL: ross@toxicchem.com		COMPLETION PROJECT NO.: EQ-77.1A	
LA - RWQC REPORT FORMAT <input type="checkbox"/> USE AGENCY: <input checked="" type="checkbox"/>		GOVS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____		SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input checked="" type="checkbox"/>		REQUESTED ANALYSIS	
LAB USE ONLY:		Field Sample Identification		SAMPLING DATE TIME MATRIX NO OF CONT		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 30C TEMPERATURE ON RECEIPT °C Composite 4:1 Notes: if total lead > 500 STLC STLC if total lead > 13 over organic lead. 332 PID 723 PID	
		SP-1 to SP-4		9/22/04 11:40 S 4		<input checked="" type="checkbox"/> TPH - Purgeable (8260) <input checked="" type="checkbox"/> TPH - Extractable (8260) <input checked="" type="checkbox"/> BTEX (8260) <input type="checkbox"/> MTBE <input type="checkbox"/> BBA <input type="checkbox"/> 3 Oxygenates (8260) <input type="checkbox"/> EDB and EDC (8260) <input type="checkbox"/> Ethanol <input type="checkbox"/> Methanol <input type="checkbox"/> VOCs by 8260B <input type="checkbox"/> Semi-Volatiles by 8270C <input checked="" type="checkbox"/> Lead <input type="checkbox"/> Toluene <input type="checkbox"/> STLC <input type="checkbox"/> TSP <input type="checkbox"/> LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TSP <input type="checkbox"/> CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TSP <input checked="" type="checkbox"/> Test for Q1000	
Requested by (Signature): <i>Ross Tinline</i>		Received by (Signature): <i>[Signature]</i>		Date: 9/22/04		Time: 1456	
Requested by (Signature): <i>[Signature]</i>		Received by (Signature): <i>[Signature]</i>		Date: 9/22/04		Time: 1835	
Requested by (Signature): <i>[Signature]</i>		Received by (Signature): <i>Deuce Harrington / STL-SF</i>		Date: 9/22/04		Time: 1835	

RUSH

ATTACHMENT C

**SOIL, GROUNDWATER AND EQUIPMENT DISPOSAL
DOCUMENTATION**



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

Disposal Confirmation

Request for Transportation Received: 10/01/04

Consultant Information

Company: Toxichem Management
 Contact: Ross Tinline
 Phone: 650-551-0112
 Fax: 650-551-0116

Site Information

Station #: N/A
 Street Address: 1800 Powell Street
 City, State, ZIP: Emeryville, CA 94608

Customer: Shell Oil Company RESA-0023-LDC
 RIPR #: 38295
 SAP # / Location: 135226
 Incident #: 98995349
 Location / WIC #: _____
 Environmental Engineer: Jim Martin

Material Description: Contaminated Soil
 Estimated Quantity: 25 yds
 Service Requested Date: _____

Disposal Facility: Forward Landfill
 Contact: Joe Griffith
 Phone: 800 204-4242
 Approval #: 4841
 Date of Disposal: 10/05/04
 Actual Tonnage: 30.53

Transporter: Manley & Sons Trucking, Inc.
 Contact: Janice Cox
 Phone: 916 381-6864
 Fax: 916 381-1573
 Invoice: _____
 Date of Invoice: _____



FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
andfill: (209) 982-4298 / WEIGHING LOCATION
Resource Recovery: (209) 982-4936

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

004841

SHELL OIL PRODUCTS
JIM MARTIN - RIPR #38295
418 REGAL LILY LN.
SAN RAMON, CA 94583
CONTRACT: 4841#

SITE	TICKET	GRID
01	406946	
WEIGHMASTER		
VICTORIA		
DATE IN		TIME IN
5 OCTOBER 2004		8:57 AM
DATE OUT		TIME OUT
5 OCTOBER 2004		9:03 AM
VEHICLE		ROLL OFF
MAN H2		
REFERENCE	ORIGIN	
	EMERYVILLE	

00 GROSS WEIGHT 28,360.00 LB
STORED TARE WEIGHT 21,160.00 LB
NET WEIGHT 7,200.00 LB 3.60 TN

INBOUND - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
3.60	TN	12 CLASS II COVER SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID

MANIFEST 2#4500

DRIVER'S SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Keller Canyon Sanitary Landfill
 901 Bailey Road
 Pittsburg, CA 94565
 Phone (925) 458-9800
 Fax (925) 458-9891

Ox Mountain Sanitary Landfill
 12310 San Mateo Road
 Half Moon Bay, CA 94019
 Phone (650) 726-1819
 Fax (650) 726-9183

Newby Island Sanitary Landfill
 1601 Dixon Landing Road
 Milpitas, CA 95035
 Phone (408) 945-2800
 Fax (408) 262-2871

Forward Landfill
 9999 S. Austin Road
 Manteca, CA 95336
 Phone (209) 982-4298
 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR Equilon Enterprises, LLC		WASTE ACCEPTANCE NO. # 4841	
MAILING ADDRESS P.O. Box 7882		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
CITY, STATE, ZIP Burbank, CA 91510		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT	
PHONE 650-551-0112		<input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
CONTACT PERSON Ross Tinline		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE		
* <i>[Signature]</i>	10/1/00		
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.		RECEIVING FACILITY	
WASTE TYPE:			
<input type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE			
<input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD			
<input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER			
<input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY 1800 Powell St., Emeryville, CA		RIPR # 38295 SAP# 135228 Incident # 98095349 WIC #	
TRANSPORTER Manley & Sons Trucking, Inc.		NOTES: VEHICLE LICENSE NUMBER TRUCK NUMBER	
ADDRESS 8806 Elder Creek Rd.		6110127 HZ	
CITY, STATE, ZIP Sacramento, CA 95828			
PHONE (916) 381-6864		END DUMP BOTTOM DUMP TRANSFER	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
DATE		ROLL-OFF(S) FLAT-BED VAN DRUMS	
* <i>[Signature]</i>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS 18 Cubic Yards	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		<input type="checkbox"/> SOIL	
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> CONSTRUCTION DEBRIS	
DATE		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
* <i>[Signature]</i>		<input type="checkbox"/> WOOD	
10-5-00		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

SALES COPY

MANIFEST # 214500



FORWARD INCORPORATED

3999 South Austin Road/WEIGHING LOCATION P.O. Box 6336
 Manteca, CA 95336 Stockton, CA 95206
 Landfill: (209) 982-4298 / WEIGHING LOCATION Main Office: (209) 466-4482
 Resource Recovery: (209) 982-4936 Fax: (209) 465-0631
 004841
 SHELL OIL PRODUCTS
 JIM MARTIN - RIPR #38295
 418 REGAL LILY LN.
 SAN RAMON, CA 94583
 CONTRACT: 4841#

SITE	TICKET	GRID
01	406930	
WEIGHMASTER		
VICTORIA		
DATE IN	TIME IN	
5 OCTOBER 2004	8:25 AM	
DATE OUT	TIME OUT	
5 OCTOBER 2004	8:25 AM	
VEHICLE	ROLL OFF	
MAN M48		
REFERENCE	ORIGIN	
	EMERYVILLE	

00 GROSS WEIGHT 84,160.00 LB
 STORED TARE WEIGHT 30,300.00 LB
 NET WEIGHT 53,860.00 LB 26.93 TN

INBOUND - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.93	TN	12 CLASS II COVER SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY That the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID

MANIFEST2#4499

DRIVER'S SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO



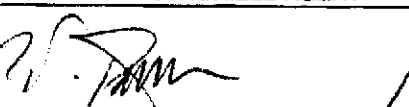
Keller Canyon Sanitary Landfill
 901 Bailey Road
 Pittsburg, CA 94565
 Phone (925) 458-9800
 Fax (925) 458-9891

Ox Mountain Sanitary Landfill
 12310 San Mateo Road
 Half Moon Bay, CA 94019
 Phone (650) 726-1819
 Fax (650) 726-9183

Newby Island Sanitary Landfill
 1601 Dixon Landing Road
 Milpitas, CA 95035
 Phone (408) 945-2800
 Fax (408) 262-2871

Forward Landfill
 9999 S. Austin Road
 Manteca, CA 95336
 Phone (209) 982-4298
 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR Equilon Enterprises, LLC		WASTE ACCEPTANCE NO. # 4841	
MAILING ADDRESS P.O. Box 7809 CITY, STATE, ZIP Burbank, CA 91510		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
PHONE 850-551-0112		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT <input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
CONTACT PERSON Ross Tinline		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE		
* 	10/5/07		
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>		RECEIVING FACILITY	
WASTE TYPE:		RIPR # 38295 SAP# 135226 Incident # 9R095349 WIC #	
<input type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY 1800 Powell St., Emeryville, CA			
TRANSPORTER Manley & Sons Trucking, Inc		NOTES: VEHICLE LICENSE NUMBER TRUCK NUMBER	
ADDRESS 8806 Elder Creek Rd. CITY, STATE, ZIP Sacramento, CA 95828			
PHONE (916) 381-6864		END DUMP BOTTOM DUMP TRANSFER	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER		<input type="checkbox"/> ROLL-OFF(S) <input type="checkbox"/> FLAT-BED <input type="checkbox"/> VAN <input type="checkbox"/> DRUMS	
* 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
DATE 10/5/07			
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS 18 Cubic Yards	
		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
REMARKS		DISPOSE	OTHER
FACILITY TICKET NUMBER		<input type="checkbox"/> SOIL	
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> CONSTRUCTION DEBRIS	
* 		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
DATE 10/5/07		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

RECEIVING REPORT

19793

DATE 09 / 15 / 04	CARRIER—INITIAL AND NUMBER ONYX 2674 / 2563	PURCHASE ORDER NUMBER
----------------------	--	-----------------------

KEY PUNCH COLS 21-51 <input type="checkbox"/>	RECEIVED FROM—
20209	Shell OP US
20309	1800 Powell St
20409	Emeryville, CA
20509	

FOR TREASURY USE ONLY					
CUST CARD ID 1-3 1-3	PROD CARD ID 1-3 1-3	MISC CARD ID 1-3 415	ACCT OFF 4-5 42	REFERENCE/CONTROL NO. 6-11 6-11	KEY PUNCH COLS. 1-11 ON ALL CARDS
WIC NUMBER 21-31	REMARKS/P.O. NUMBER 35-45	CARRIER 55-72	POB 75		

TRANSACTION	DATE 21-26 21-26	CODE 27-28	REVIEWED BY —
-------------	------------------------	---------------	---------------

PRODUCT CODE 12-16	CNTR CODE 17-19	TEMP 29-31	GRAVITY 32-36	QUANTITY (ENTER ONE)		SIZE AND KIND	PRODUCT DESCRIPTION
				GROSS GALLONS 38-42	PACKAGES 30-35		
						bulk	non-hazardous groundwater
				1.40P	7-15-04		
98000	010					55RSD	Steel Drums Returned

REMARKS	3,779 G
---------	---------

WEIGHTS	GROSS	TARE	NET 31,480 net lb.
---------	-------	------	-----------------------

PREPARED BY — B. Reed	RECEIVED BY —
--------------------------	---------------

DEPARTMENT APPROVAL —	TREASURY APPROVAL —
-----------------------	---------------------

INSTRUCTIONS

Enter unloading information. Detach 3rd copy, forward 1 & 2 intact and supporting documents to Oil Movements.

TYPE OF TRANSACTION (Check One)	
REFINERY	
<input type="checkbox"/>	PURCHASE
<input type="checkbox"/>	STOCK RECEIPT
<input type="checkbox"/>	OTHER — Specify
CONTAINERIZATION	
RETURNED PRODUCTS	
<input type="checkbox"/>	CLOSED — Customer not opened
<input type="checkbox"/>	REFUSED — Customer refused delivery
<input type="checkbox"/>	DAMAGED — Container unacceptable
<input type="checkbox"/>	WRONG PROD — Wrong product loaded
	Should have been —
<input type="checkbox"/>	PLANT RETURN — non-containerization — return from plant.
	Reason —
<input type="checkbox"/>	OTHER — Specify

QUALITY VERIFICATION	
<input type="checkbox"/>	Quality OK
<input type="checkbox"/>	Sample sent to laboratory for analysis: Stores will be advised later as to quality
TAG NUMBERS	

ATTENTION SHIPPERS!

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. GRW 1004

Carrier No. _____

Date 9/15/04

1 of 1

ONYX Industrial Services, INC.
(Name of carrier) (SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: **Shell Oil Products US**
 Consignee **MARTINEZ REFINERY**

Street **1801 MARINA VISTA**

City **MARTINEZ** State **CA** Zip Code **94553**

FROM: Shipper Shell BRANDED STATIONS

Street 1800 Powell St

City Emeryville State CA Zip Code _____

24 hr. Emergency Contact Tel. No. **CHEMTREC 800-424-9300**

Route Aug 80 - Aug 4 - Aug 6 80

Vehicle Number 2674

No. of Units & Container Type

HM

1 TT

BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
NON-HAZARDOUS GROUNDWATER	<u>5,000 gal</u> <u>3,779</u>			
Contains water with < 10% oil bearing materials and may include extracted groundwater from service station facilities that would be non-hazardous under federal and state waste classification criteria.				
SOP US Martinez Refinery Receiving Gate to direct driver to the Effluent Treatment Plant Operator (x3202) for off loading directions.				
SAP/INCIDENT #: 135266				
RIPR #: 38063				

PLACARDS TENDERED: YES NO

Note—(1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See WMC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS

COD Amt: \$ _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE: PREPAID COLLECT \$ _____

TOTAL CHARGES \$ _____

FREIGHT CHARGES

FREIGHT PREPAID except when box at right is checked Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier or all or any of, said property over all or any portion of said route to

destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Shipper **Shell Oil Products US**

CARRIER ONYX Industrial

PER [Signature] ON BEHALF OF SHELL / EQUILON

PER [Signature]

RECEIVING SITE SIGNATURE / DATE:

DATE 9/15/04

1

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA2000194074		Manifest Document No. 3 7 2 8 6 1 of 1		2 Page 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address Attn: J. MARTIN, MFT240E				6. US EPA ID Number CAD982030173				A. State Manifest Document Number 22728130		B. State Generator's ID H A E F 3 6 0 5 9 7 8 7					
4. Generator's Phone 281 874-2238				7. Transporter 1 Company Name ECOLOGY CONTROL INDUSTRIES				C. State Transporter's ID [Reserved]		D. Transporter's Phone 510 235-1393					
5. Transporter 2 Company Name				8. US EPA ID Number				E. State Transporter's ID [Reserved]		F. Transporter's Phone					
9. Designated Facility Name and Site Address ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD. RICHMOND, CA 94801				10. US EPA ID Number CAD009466392				G. State Facility's ID		H. Facility's Phone 510 235-1393					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON-RCRA HAZARDOUS WASTE SOLID STEEL/FIBERGLASS PRODUCT PIPING b. c. d.						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number			
						No.		Type						State	
						0101		CM		03600		P		512	
														EPA/Other	
														EPA/Other	
J. Additional Descriptions for Materials Listed Above a) PIPING - STEEL/FIBERGLASS 31989						K. Handling Codes for Wastes Listed Above a) 01/99									
L. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY PHONE NUMBER (800) 424-9300 NOTE: ADD PROFILE # OR DELETE THIS LINE						M. Facility: SERVICE STATION 1800 POWELL EMERYVILLE, CA 94608									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name CHRIS WISE				Signature <i>Chris Wise</i>				ON BEHALF OF SOP US		Month Day Year 10 04 04					
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name Kevin E. Clark				Signature <i>Kevin E. Clark</i>						Month Day Year 10 04 04					
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name				Signature						Month Day Year					
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name James Wilcox				Signature <i>James Wilcox</i>						Month Day Year 10 04 04					

DO NOT WRITE BELOW THIS LINE.

Drogos, Donna, Env. Health

From: Weston, Robert, Env. Health
Sent: Monday, October 18, 2004 7:59 AM
To: Drogos, Donna, Env. Health; Hugo, Susan, Env. Health
Subject: FW: 1800-1/2 Powell Street, Emeryville - Soil analytical results

Importance: High



Dispenser Sample
Location Map....



Upgrade Dispenser
Results.pdf ...

I am sending these soil sampling results to you since there is no case worker assigned to this site. There are significant "hits" for diesel and gasoline.

Robert Weston
Alameda County Department of Environmental Health
510 567-6781

CONFIDENTIALITY NOTICE: This electronic mail transmission may contain privileged information and/or confidential information only for the use by the intended recipients. Any usage, distribution, copying or disclosure by any other person, other than the intended recipient is strictly prohibited and may be subject to civil action and/or criminal penalties. If you have received this e-mail transmission in error, please notify the sender by e-mail or by telephone and delete the transmission.

-----Original Message-----

From: Ross Tinline [mailto:rosst@toxichem.com]
Sent: Friday, October 15, 2004 6:25 PM
To: Weston, Robert, Env. Health
Cc: Tim Woodson; Jim Martin; Karen Petryna
Subject: FW: 1800-1/2 Powell Street, Emeryville - Soil analytical results

I received an error the first time, so thought I'd better send again just to be sure it was received.

-----Original Message-----

From: Ross Tinline [mailto:rosst@toxichem.com]
Sent: Friday, October 15, 2004 6:06 PM
To: Robert Weston
Cc: Jim Martin; Tim Woodson; Karen Petryna
Subject: 1800-1/2 Powell Street, Emeryville - Soil analytical results

Robert,

At your request, please find attached the analytical report for the sampling I performed on September 22, 2004. I've also included a map for sample locations and designations.

The two samples collected on Tuesday beneath the product line that didn't pass the leak test were submitted on normal turn around time (10 days). We are having laboratory bump up the turn around time to as fast as they can do, but they're currently backed up and couldn't promise anything better than 5-day TAT at this point.

The Unauthorized Release Report was also submitted today as requested.

Please call or email any questions you may have.

Thank you,
Ross

Toxichem Management Systems, Inc-San Jose

October 05, 2004

11 Kenton Drive
San Carlos, CA 94070
Attn.: Ross Tinline
Project#: EQ-77.1A
Project: 98995349
Site: 1800 Powell Street, Emeryville

Dear Mr. Tinline

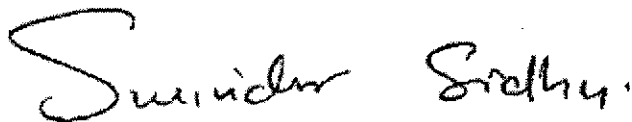
Attached is our report for your samples received on 09/22/2004 14:56
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
11/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,



Surinder Sidhu
Project Manager

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-1D4.5	09/22/2004 11:20	Soil	1
MPD-2D5.0	09/22/2004 11:15	Soil	2
MPD-3D5.0	09/22/2004 11:07	Soil	3
MPD-4D5.0	09/22/2004 11:00	Soil	4
MPD-5D5.0	09/22/2004 10:50	Soil	5
MPD-6D5.5	09/22/2004 10:55	Soil	6
MPD-7D5.0	09/22/2004 10:45	Soil	7
MPD-8D5.0	09/22/2004 10:35	Soil	8
MPD-9D5.0	09/22/2004 10:25	Soil	9

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

09/27/2004 09:15

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B	Test(s): 6010B
Sample ID: MPD-1D4.5	Lab ID: 2004-09-0680 - 1
Sampled: 09/22/2004 11:20	Extracted: 9/23/2004 14:51
Matrix: Soil	QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	150	1.0	mg/Kg	1.00	09/24/2004 09:35	

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

09/27/2004 09:15

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B

Test(s): 6010B

Sample ID: MPD-2D5.0

Lab ID: 2004-09-0680 - 2

Sampled: 09/22/2004 11:15

Extracted: 9/23/2004 14:51

Matrix: Soil

QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	48	1.0	mg/Kg	1.00	09/24/2004 09:39	

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

09/27/2004 09:15

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B Test(s): 6010B
Sample ID: **MPD-3D5.0** Lab ID: 2004-09-0680 - 3
Sampled: 09/22/2004 11:07 Extracted: 9/23/2004 14:51
Matrix: Soil QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	39	1.0	mg/Kg	1.00	09/24/2004 09:42	

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

09/27/2004 09:15

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B

Test(s): 6010B

Sample ID: **MPD-4D5.0**

Lab ID: 2004-09-0680 - 4

Sampled: 09/22/2004 11:00

Extracted: 9/23/2004 14:51

Matrix: Soil

QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	16	1.0	mg/Kg	1.00	09/24/2004 09:45	

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

09/27/2004 09:15

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B

Test(s): 6010B

Sample ID: **MPD-5D5.0**

Lab ID: 2004-09-0680 - 5

Sampled: 09/22/2004 10:50

Extracted: 9/23/2004 14:51

Matrix: Soil

QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	15	1.0	mg/Kg	1.00	09/24/2004 09:49	

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

09/27/2004 09:15

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s):	3050B	Test(s):	6010B
Sample ID:	MPD-6D5.5	Lab ID:	2004-09-0680 - 6
Sampled:	09/22/2004 10:55	Extracted:	9/23/2004 14:51
Matrix:	Soil	QC Batch#:	2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.7	1.0	mg/Kg	1.00	09/24/2004 09:53	

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B	Test(s): 6010B
Sample ID: MPD-7D5.0	Lab ID: 2004-09-0680 - 7
Sampled: 09/22/2004 10:45	Extracted: 9/23/2004 14:51
Matrix: Soil	QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.4	1.0	mg/Kg	1.00	09/24/2004 09:56	

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3050B

Test(s): 6010B

Sample ID: **MPD-8D5.0**

Lab ID: 2004-09-0680 - 8

Sampled: 09/22/2004 10:35

Extracted: 9/23/2004 14:51

Matrix: Soil

QC Batch#: 2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.3	1.0	mg/Kg	1.00	09/24/2004 10:00	

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

09/27/2004 09:15

Total Lead

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s):	3050B	Test(s):	6010B
Sample ID:	MPD-9D5.0	Lab ID:	2004-09-0680 - 9
Sampled:	09/22/2004 10:25	Extracted:	9/23/2004 14:51
Matrix:	Soil	QC Batch#:	2004/09/23-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	9.5	1.0	mg/Kg	1.00	09/24/2004 10:50	

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

09/27/2004 09:15

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2004/09/23-04.15

MB: 2004/09/23-04.15-026

Date Extracted: 09/23/2004 14:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/24/2004 08:46	

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09/27/2004 09:15

Total Lead

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2004/09/23-04.15

LCS 2004/09/23-04.15-027

Extracted: 09/23/2004

Analyzed: 09/24/2004 08:50

LCSD 2004/09/23-04.15-028

Extracted: 09/23/2004

Analyzed: 09/24/2004 08:55

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	97.4	100.0	100.0	97.4	100.0	2.6	80-120	20		

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09/27/2004 09:15

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-1D4.5	09/22/2004 11:20	Soil	1
MPD-2D5.0	09/22/2004 11:15	Soil	2
MPD-3D5.0	09/22/2004 11:07	Soil	3
MPD-4D5.0	09/22/2004 11:00	Soil	4
MPD-5D5.0	09/22/2004 10:50	Soil	5
MPD-6D5.5	09/22/2004 10:55	Soil	6
MPD-7D5.0	09/22/2004 10:45	Soil	7
MPD-8D5.0	09/22/2004 10:35	Soil	8
MPD-9D5.0	09/22/2004 10:25	Soil	9

Diesel (C9-C24)

Toxichem Management Systems, Inc-San Jose

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San Carlos, CA 94070

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

Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-1D4.5	Lab ID: 2004-09-0680 - 1
Sampled: 09/22/2004 11:20	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	85	5.0	mg/Kg	5.00	09/24/2004 21:34	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	09/24/2004 21:34	sd

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-2D5.0	Lab ID: 2004-09-0680 - 2
Sampled: 09/22/2004 11:15	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	33	1.0	mg/Kg	1.00	09/24/2004 20:00	ldr
Surrogate(s) o-Terphenyl	81.8	60-130	%	1.00	09/24/2004 20:00	

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	MPD-3D5.0	Lab ID:	2004-09-0680 - 3
Sampled:	09/22/2004 11:07	Extracted:	9/24/2004 06:39
Matrix:	Soil	QC Batch#:	2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	42	5.0	mg/Kg	5.00	09/24/2004 22:01	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	09/24/2004 22:01	sd

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-4D5.0	Lab ID: 2004-09-0680 - 4
Sampled: 09/22/2004 11:00	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.5	1.0	mg/Kg	1.00	09/25/2004 20:07	ldr
Surrogate(s) o-Terphenyl	71.3	60-130	%	1.00	09/25/2004 20:07	

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Diesel (C9-C24)

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Project: EQ-77.1A
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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-5D5.0	Lab ID: 2004-09-0680 - 5
Sampled: 09/22/2004 10:50	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	09/24/2004 20:28	ldr
Surrogate(s) o-Terphenyl	92.1	60-130	%	1.00	09/24/2004 20:28	

Diesel (C9-C24)

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Project: EQ-77.1A
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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-6D5.5	Lab ID: 2004-09-0680 - 6
Sampled: 09/22/2004 10:55	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.6	1.0	mg/Kg	1.00	09/24/2004 21:50	ldr
Surrogate(s)						
o-Terphenyl	87.5	60-130	%	1.00	09/24/2004 21:50	

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-7D5.0	Lab ID: 2004-09-0680 - 7
Sampled: 09/22/2004 10:45	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	54	1.0	mg/Kg	1.00	09/24/2004 22:17	ndp
Surrogate(s)						
o-Terphenyl	92.2	60-130	%	1.00	09/24/2004 22:17	

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MPD-8D5.0	Lab ID: 2004-09-0680 - 8
Sampled: 09/22/2004 10:35	Extracted: 9/24/2004 06:39
Matrix: Soil	QC Batch#: 2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3500	50	mg/Kg	50.00	09/25/2004 10:23	ndp
Surrogate(s) o-Terphenyl	NA	60-130	%	50.00	09/25/2004 10:23	sd

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Diesel (C9-C24)

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	MPD-9D5.0	Lab ID:	2004-09-0680 - 9
Sampled:	09/22/2004 10:25	Extracted:	9/24/2004 06:39
Matrix:	Soil	QC Batch#:	2004/09/24-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	320	2.0	mg/Kg	2.00	09/25/2004 11:26	edr
Surrogate(s)						
o-Terphenyl	84.7	60-130	%	2.00	09/25/2004 11:26	

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Diesel (C9-C24)

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/09/24-2A.10

MB: 2004/09/24-2A.10-001

Date Extracted: 09/24/2004 06:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/24/2004 10:18	
Surrogates(s) o-Terphenyl	77.4	60-130	%	09/24/2004 10:18	

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09/27/2004 17:50

Diesel (C9-C24)

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

Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/09/24-2A.10

LCS 2004/09/24-2A.10-002

Extracted: 09/24/2004

Analyzed: 09/24/2004 10:46

LCSD 2004/09/24-2A.10-003

Extracted: 09/24/2004

Analyzed: 09/24/2004 11:13

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.9	30.6	41.2	77.4	73.4	5.3	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	18.4	17.0	20.0	92.0	85.2		60-130			

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09/27/2004 17:50

Diesel (C9-C24)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Legend and Notes

Result Flag

edr

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

ldr

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

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

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09/27/2004 17:50

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-4D5.0	09/22/2004 11:00	Soil	4
MPD-5D5.0	09/22/2004 10:50	Soil	5
MPD-6D5.5	09/22/2004 10:55	Soil	6

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10/05/2004 16:31

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MPD-4D5.0	Lab ID:	2004-09-0680 - 4
Sampled:	09/22/2004 11:00	Extracted:	10/4/2004 13:21
Matrix:	Soil	QC Batch#:	2004/10/04-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2004 13:21	
Benzene	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/04/2004 13:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2004 13:21	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2004 13:21	
Surrogate(s)						
1,2-Dichloroethane-d4	89.8	76-124	%	1.00	10/04/2004 13:21	
Toluene-d8	92.7	75-116	%	1.00	10/04/2004 13:21	

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

Toxichem Management Systems, Inc-San Jose

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11 Kenton Drive

San Carlos, CA 94070

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

Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-5D5.0	Lab ID: 2004-09-0680 - 5
Sampled: 09/22/2004 10:50	Extracted: 10/4/2004 23:59
Matrix: Soil	QC Batch#: 2004/10/04-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/04/2004 23:59	
Benzene	0.031	0.0050	mg/Kg	1.00	10/04/2004 23:59	
Toluene	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
tert-Butyl alcohol (TBA)	0.011	0.010	mg/Kg	1.00	10/04/2004 23:59	
Methyl tert-butyl ether (MTBE)	0.0064	0.0050	mg/Kg	1.00	10/04/2004 23:59	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/04/2004 23:59	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
EDB	ND	0.0050	mg/Kg	1.00	10/04/2004 23:59	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	76-124	%	1.00	10/04/2004 23:59	
Toluene-d8	87.1	75-116	%	1.00	10/04/2004 23:59	

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10/05/2004 16:31

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-6D5.5	Lab ID: 2004-09-0680 - 6
Sampled: 09/22/2004 10:55	Extracted: 10/5/2004 00:22
Matrix: Soil	QC Batch#: 2004/10/04-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2004 00:22	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
Total xylenes	0.013	0.0050	mg/Kg	1.00	10/05/2004 00:22	
tert-Butyl alcohol (TBA)	0.032	0.010	mg/Kg	1.00	10/05/2004 00:22	
Methyl tert-butyl ether (MTBE)	0.027	0.0050	mg/Kg	1.00	10/05/2004 00:22	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/05/2004 00:22	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
EDB	ND	0.0050	mg/Kg	1.00	10/05/2004 00:22	
Surrogate(s)						
1,2-Dichloroethane-d4	104.0	76-124	%	1.00	10/05/2004 00:22	
Toluene-d8	78.8	75-116	%	1.00	10/05/2004 00:22	

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

Toxichem Management Systems, Inc-San Jose

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

Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/10/04-1B.66-015

Soil

Test(s): 8260B

QC Batch # 2004/10/04-1B.66

Date Extracted: 10/04/2004 08:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/04/2004 08:15	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/04/2004 08:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/04/2004 08:15	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/04/2004 08:15	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/04/2004 08:15	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/04/2004 08:15	
1,2-DCA	ND	0.0050	mg/Kg	10/04/2004 08:15	
EDB	ND	0.0050	mg/Kg	10/04/2004 08:15	
Benzene	ND	0.0050	mg/Kg	10/04/2004 08:15	
Toluene	ND	0.0050	mg/Kg	10/04/2004 08:15	
Ethyl benzene	ND	0.0050	mg/Kg	10/04/2004 08:15	
Total xylenes	ND	0.0050	mg/Kg	10/04/2004 08:15	
Surrogates(s)					
1,2-Dichloroethane-d4	94.6	76-124	%	10/04/2004 08:15	
Toluene-d8	91.6	75-116	%	10/04/2004 08:15	

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10/05/2004 16:31

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-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/10/04-2A.66-040

Soil

Test(s): 8260B

QC Batch # 2004/10/04-2A.66

Date Extracted: 10/04/2004 18:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/04/2004 18:40	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/04/2004 18:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/04/2004 18:40	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/04/2004 18:40	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/04/2004 18:40	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/04/2004 18:40	
1,2-DCA	ND	0.0050	mg/Kg	10/04/2004 18:40	
EDB	ND	0.0050	mg/Kg	10/04/2004 18:40	
Benzene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Toluene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Ethyl benzene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Total xylenes	ND	0.0050	mg/Kg	10/04/2004 18:40	
Surrogates(s)					
1,2-Dichloroethane-d4	90.5	76-124	%	10/04/2004 18:40	
Toluene-d8	96.0	75-116	%	10/04/2004 18:40	

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10/05/2004 16:31

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

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/04-1B.66

LCS 2004/10/04-1B.66-030

Extracted: 10/04/2004

Analyzed: 10/04/2004 07:30

LCSD 2004/10/04-1B.66-052

Extracted: 10/04/2004

Analyzed: 10/04/2004 07:52

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0585	0.0527	0.05	117.0	105.4	10.4	65-165	20		
Benzene	0.0525	0.0516	0.05	105.0	103.2	1.7	69-129	20		
Toluene	0.0466	0.0478	0.05	93.2	95.6	2.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	454	449	500	90.8	89.8		76-124			
Toluene-d8	461	462	500	92.2	92.4		75-116			

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

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/04-2A.66

LCS 2004/10/04-2A.66-055

Extracted: 10/04/2004

Analyzed: 10/04/2004 17:55

LCSD 2004/10/04-2A.66-017

Extracted: 10/04/2004

Analyzed: 10/04/2004 18:17

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0627	0.0597	0.05	125.4	119.6	4.7	65-165	20			
Benzene	0.0593	0.0557	0.05	118.6	111.4	6.3	69-129	20			
Toluene	0.0520	0.0511	0.05	104.0	102.2	1.7	70-130	20			
Surrogates(s)											
1,2-Dichloroethane-d4	423	419	500	84.6	83.8		76-124				
Toluene-d8	472	476	500	94.4	95.2		75-116				

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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

Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MPD-1D4.5	09/22/2004 11:20	Soil	1
MPD-2D5.0	09/22/2004 11:15	Soil	2
MPD-3D5.0	09/22/2004 11:07	Soil	3
MPD-7D5.0	09/22/2004 10:45	Soil	7
MPD-8D5.0	09/22/2004 10:35	Soil	8
MPD-9D5.0	09/22/2004 10:25	Soil	9

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

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 Project: EQ-77.1A
 98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-1D4.5	Lab ID: 2004-09-0680 - 1
Sampled: 09/22/2004 11:20	Extracted: 10/5/2004 02:59
Matrix: Soil	QC Batch#: 2004/09/29-3A.66

Analysis Flag: lrn (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	10/05/2004 02:59	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
Total xylenes	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 02:59	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 02:59	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 02:59	
Surrogate(s)						
1,2-Dichloroethane-d4	90.1	53-129	%	1.00	10/05/2004 02:59	
Toluene-d8	96.0	47-136	%	1.00	10/05/2004 02:59	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B Test(s): 8260B
Sample ID: MPD-2D5.0 Lab ID: 2004-09-0680 - 2
Sampled: 09/22/2004 11:15 Extracted: 10/5/2004 03:22
Matrix: Soil QC Batch#: 2004/09/29-3A.66
Analysis Flag: Irr (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	10/05/2004 03:22	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
Total xylenes	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 03:22	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 03:22	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 03:22	
Surrogate(s)						
1,2-Dichloroethane-d4	90.5	53-129	%	1.00	10/05/2004 03:22	
Toluene-d8	97.8	47-136	%	1.00	10/05/2004 03:22	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
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Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-3D5.0	Lab ID: 2004-09-0680 - 3
Sampled: 09/22/2004 11:07	Extracted: 10/5/2004 03:45
Matrix: Soil	QC Batch#: 2004/09/29-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	10/05/2004 03:45	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
Total xylenes	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 03:45	
Methyl tert-butyl ether (MTBE)	0.64	0.50	mg/Kg	1.00	10/05/2004 03:45	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 03:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 03:45	
Surrogate(s)						
1,2-Dichloroethane-d4	94.8	53-129	%	1.00	10/05/2004 03:45	
Toluene-d8	105.6	47-136	%	1.00	10/05/2004 03:45	

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B Test(s): 8260B
 Sample ID: **MPD-7D5.0** Lab ID: 2004-09-0680 - 7
 Sampled: 09/22/2004 10:45 Extracted: 10/5/2004 14:45
 Matrix: Soil QC Batch#: 2004/10/01-3A.66
 Analysis Flag: Irr (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	10/05/2004 14:45	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
Total xylenes	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 14:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 14:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 14:45	
Surrogate(s)						
1,2-Dichloroethane-d4	84.8	53-129	%	1.00	10/05/2004 14:45	
Toluene-d8	93.8	47-136	%	1.00	10/05/2004 14:45	

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Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-8D5.0	Lab ID: 2004-09-0680 - 8
Sampled: 09/22/2004 10:35	Extracted: 10/5/2004 15:08
Matrix: Soil	QC Batch#: 2004/10/01-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	54	50	mg/Kg	1.00	10/05/2004 15:08	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
Ethyl benzene	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
Total xylenes	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 15:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 15:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 15:08	
Surrogate(s)						
1,2-Dichloroethane-d4	86.3	53-129	%	1.00	10/05/2004 15:08	
Toluene-d8	96.8	47-136	%	1.00	10/05/2004 15:08	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MPD-9D5.0	Lab ID: 2004-09-0680 - 9
Sampled: 09/22/2004 10:25	Extracted: 10/5/2004 15:30
Matrix: Soil	QC Batch#: 2004/10/01-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	1300	50	mg/Kg	1.00	10/05/2004 15:30	
Benzene	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
Toluene	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
Ethyl benzene	7.1	0.50	mg/Kg	1.00	10/05/2004 15:30	
Total xylenes	17	0.50	mg/Kg	1.00	10/05/2004 15:30	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	10/05/2004 15:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	10/05/2004 15:30	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
1,2-DCA	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
EDB	ND	0.50	mg/Kg	1.00	10/05/2004 15:30	
Surrogate(s)						
1,2-Dichloroethane-d4	86.6	53-129	%	1.00	10/05/2004 15:30	
Toluene-d8	92.4	47-136	%	1.00	10/05/2004 15:30	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/09/29-3A.66-028

Soil

Test(s): 8260B

QC Batch # 2004/09/29-3A.66

Date Extracted: 09/29/2004 15:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	09/29/2004 15:28	
Benzene	ND	0.50	mg/Kg	09/29/2004 15:28	
Toluene	ND	0.50	mg/Kg	09/29/2004 15:28	
Ethyl benzene	ND	0.50	mg/Kg	09/29/2004 15:28	
Total xylenes	ND	0.50	mg/Kg	09/29/2004 15:28	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	09/29/2004 15:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	09/29/2004 15:28	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	09/29/2004 15:28	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	09/29/2004 15:28	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	09/29/2004 15:28	
1,2-DCA	ND	0.50	mg/Kg	09/29/2004 15:28	
EDB	ND	0.50	mg/Kg	09/29/2004 15:28	
Surrogates(s)					
1,2-Dichloroethane-d4	105.6	53-129	%	09/29/2004 15:28	
Toluene-d8	106.0	47-136	%	09/29/2004 15:28	

Severn Trent Laboratories, Inc.

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/10/01-3A.66-016

Soil

Test(s): 8260B

QC Batch # 2004/10/01-3A.66

Date Extracted: 10/01/2004 17:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.50	mg/Kg	10/01/2004 17:16	
Toluene	ND	0.50	mg/Kg	10/01/2004 17:16	
Ethyl benzene	ND	0.50	mg/Kg	10/01/2004 17:16	
Total xylenes	ND	0.50	mg/Kg	10/01/2004 17:16	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	10/01/2004 17:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/01/2004 17:16	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	10/01/2004 17:16	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	10/01/2004 17:16	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	10/01/2004 17:16	
1,2-DCA	ND	0.50	mg/Kg	10/01/2004 17:16	
EDB	ND	0.50	mg/Kg	10/01/2004 17:16	
Surrogates(s)					
1,2-Dichloroethane-d4	109.6	53-129	%	10/01/2004 17:16	
Toluene-d8	108.8	47-136	%	10/01/2004 17:16	

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

10/05/2004 16:31

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/09/29-3A.66

LCS 2004/09/29-3A.66-040

Extracted: 09/29/2004

Analyzed: 09/29/2004 14:43

LCSD 2004/09/29-3A.66-005

Extracted: 09/30/2004

Analyzed: 09/30/2004 16:05

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	12.8	12.3	10	128.0	123.0	4.0	69-129	20			
Toluene	12.2	10.5	10	122.0	105.0	15.0	70-130	20			
Methyl tert-butyl ether (MTBE)	12.9	12.1	10	129.0	121.0	6.4	65-165	20			
Surrogates(s)											
1,2-Dichloroethane-d4	295	247	250	118.0	98.8		53-129				
Toluene-d8	306	270	250	122.4	108.0		47-136				

Severn Trent Laboratories, Inc.

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10/05/2004 16:31

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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-77.1A
98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/01-3A.66

LCS 2004/10/01-3A.66-009

Extracted: 10/01/2004

Analyzed: 10/01/2004 16:09

LCSD 2004/10/01-3A.66-054

Extracted: 10/01/2004

Analyzed: 10/01/2004 16:54

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	11.5	11.7	10	115.0	117.0	1.7	69-129	20		
Toluene	9.72	10.3	10	97.2	103.0	5.8	70-130	20		
Methyl tert-butyl ether (MTBE)	11.6	11.9	10	116.0	119.0	2.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	252	245	250	100.8	98.0		53-129			
Toluene-d8	261	263	250	104.4	105.2		47-136			

Severn Trent Laboratories, Inc.

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10/05/2004 16:31

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

98995349

Received: 09/22/2004 14:56

Site: 1800 Powell Street, Emeryville

Legend and Notes

Analysis Flag

Im

Reporting limits raised due to high level of non-target analyte materials.

Severn Trent Laboratories, Inc.

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

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2004-09-0680

STL-San Francisco

SHELL Chain Of Custody Record

89097

1220 Quarry Lane

Pleasanton CA 94566

(925) 484-1919 (325) 484-1096 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OGMT HOUSTON

Bill Merchant, Shell Oil Products US

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 3 4 9

SAP or CRMT NUMBER (TSICRMT)

1 3 5 2 2 6

DATE: 9/22/04

PAGE: 1 of 1

SUPPLIER COMPANY: Toxchem Management Systems, Inc.		ADDRESS: TMSO	SITE ADDRESS (Street and City): 1800 Powell Street, Emeryville		GLOBAL ID: T0600101231
ADDRESS: 11 Kenton Avenue, San Carlos, California, 94070		CONTACT PERSON (Name and Phone): Ross Tinline 850.551.0112		EMAIL: ross@toxchem.com	CONTRACT PROJECT NO: EQ-77.1A
PROJECT CONTACT (Name and Phone): Ross Tinline		SAMPLER NAME (Type): Ross Tinline		LAB USE ONLY	

TELEPHONE: 850.551.0112 FAX: 650.551.0116 EMAIL: ross@toxchem.com

24 HOUR/ROUND TIME (BUSINESS DAYS):
 0 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT USE AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PER BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED:

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (8260)	TPH - Extractable (8260)	BTEX (8260)	MTBE	1,2-DA	5 Oxygenates (8260)	EDB and EDC (8260)	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input checked="" type="checkbox"/> Tin <input type="checkbox"/> Silic <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Tars <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAMEX <input type="checkbox"/> Tens <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°	
		DATE	TIME																				
	MPD-1d5.5	9/22/04	11:20	S	1	X	X	X			X	X					X						
	MPD-2d5.0	9/22/04	11:15	S	1	X	X	X			X	X					X						
	MPD-3d5.0	9/22/04	11:07	S	1	X	X	X			X	X					X						
	MPD-4d5.0	9/22/04	11:00	S	1	X	X	X			X	X					X						
	MPD-5d5.0	9/22/04	10:50	S	1	X	X	X			X	X					X						
	MPD-6d5.5	9/22/04	10:55	S	1	X	X	X			X	X					X						
	MPD-7d5.0	9/22/04	10:45	S	1	X	X	X			X	X					X						
	MPD-8d5.0	9/22/04	10:35	S	1	X	X	X			X	X					X						332 PID
	MPD-9d5.0	9/22/04	10:25	S	1	X	X	X			X	X					X						723 PID

Retrieved by (Signature): <i>Ross Tinline</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/22/04	Time: 1456
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/22/04	Time: 1835
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Deuse/Harrington / STL-SF</i>	Date: 9/22/04	Time: 1835

DATE/TIME: 9/22/04 1456