



**EMCON**

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

**RECEIVED**

2:37 pm, May 04, 2009

Alameda County  
Environmental Health

February 14, 1995  
Project 0952-041.02

Mr. Craig Mayfield  
Alameda County Flood Control District, Zone 7  
5997 Parkside Drive  
Pleasanton, California 94588

Re: Supplemental site investigation, BP station 11128, 4707 First Street, Livermore, California

Dear Mr. Mayfield:

This letter report presents analytical data obtained during a supplemental site investigation at British Petroleum Station 11128; it was prepared by EMCON on behalf of TOSCO Oil Company in compliance with Alameda County Flood Control District requirements for permit 96463.

Figure 1 is a site plan showing the locations at which samples were collected. Analytical reports are included in Appendix A. The work performed during the supplemental site investigation is described below, and the results are summarized.

On October 21, 1994, EMCON conducted supplemental assessment activities at the site. These activities consisted of advancing three exploratory soil borings (THP-1, THP-2, and THP-3) near the pump islands, the underground storage tank (UST) complex, and the waste-oil UST (Figure 1).

Soil borings THP-1 and THP-3 were advanced to approximately 22 to 23 feet below ground surface (BGS) by using cone-penetrometer test (CPT) equipment. Soil boring THP-2 was advanced to 8 feet BGS. CPT rig refusal was encountered at the total depth of each boring. Soil types encountered in the borings included mixtures of clay, silt, and sand to the total depth of each boring. Groundwater was encountered in THP-1 and THP-3 at approximately 18 and 17 feet BGS, respectively.

Two soil samples per boring were selected for laboratory analysis of total petroleum hydrocarbons as gasoline, as diesel, and as oil (TPHG, TPHD, TPHO), and benzene, toluene, ethylbenzene, and xylenes (BTEX). None of the constituents analyzed for was detected in the soil samples (Table 1). Groundwater samples collected from borings THP-1 and THP-3 using HydroPunch™ equipment were submitted for laboratory analysis of TPHG, TPHD, TPHO, and BTEX. TPHO (770 parts per billion [ppb]), ethylbenzene



Mr. Craig Mayfield  
February 14, 1995  
Page 2


Project 0952-041.02

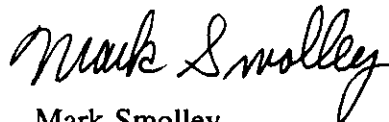
(0.8 ppb) and xylenes (4 ppb) were detected in the groundwater sample collected from THP-1 (Table 1).

In addition to the work described above, EMCON evaluated fill material samples collected from the base of site fuel dispensers. This report does not discuss the analytical results pertaining to these samples, as their collection was outside the scope of the permit.

Sincerely,

EMCON

  
Lynn Gallagher  
Staff Geologist

  
Mark Smolley  
Project Supervisor



Attachment: Table 1 - Soil and Groundwater Sample Results of Analyses  
Figure 1 - Site Plan  
Appendix A - Certified Analytical Reports

**Table 1**

**Site Number 11128  
4707 First Street, Livermore, California**

**Soil Sample Results of Analyses (ppm)**

Sample Number	Depth (feet)	Date Collected	California DHS LUFT Method TPH-G	California DHS LUFT Method Hydrocarbon Scan		BTEX EPA Method 5030/8020			
			TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes
THP1-S-10-10.5**	10-10.5	10/21/94	nd	nd	nd	nd	nd	nd	nd
THP1-S-13.5-14	13.5-14	10/21/94	nd	nd	nd	nd	nd	nd	nd
THP2-S-3-3.5	3-3.5	10/21/94	nd	nd	nd	nd	nd	nd	nd
THP2-S-6.5-7	6.5-7	10/21/94	nd	nd	nd	nd	nd	nd	nd
THP3-S-10-10.5	10-10.5	10/21/94	nd	nd	nd	nd	nd	nd	nd
THP3-S-13.5-14	13.5-14	10/21/94	nd	nd	nd	nd	nd	nd	nd

Table 1 (continued)

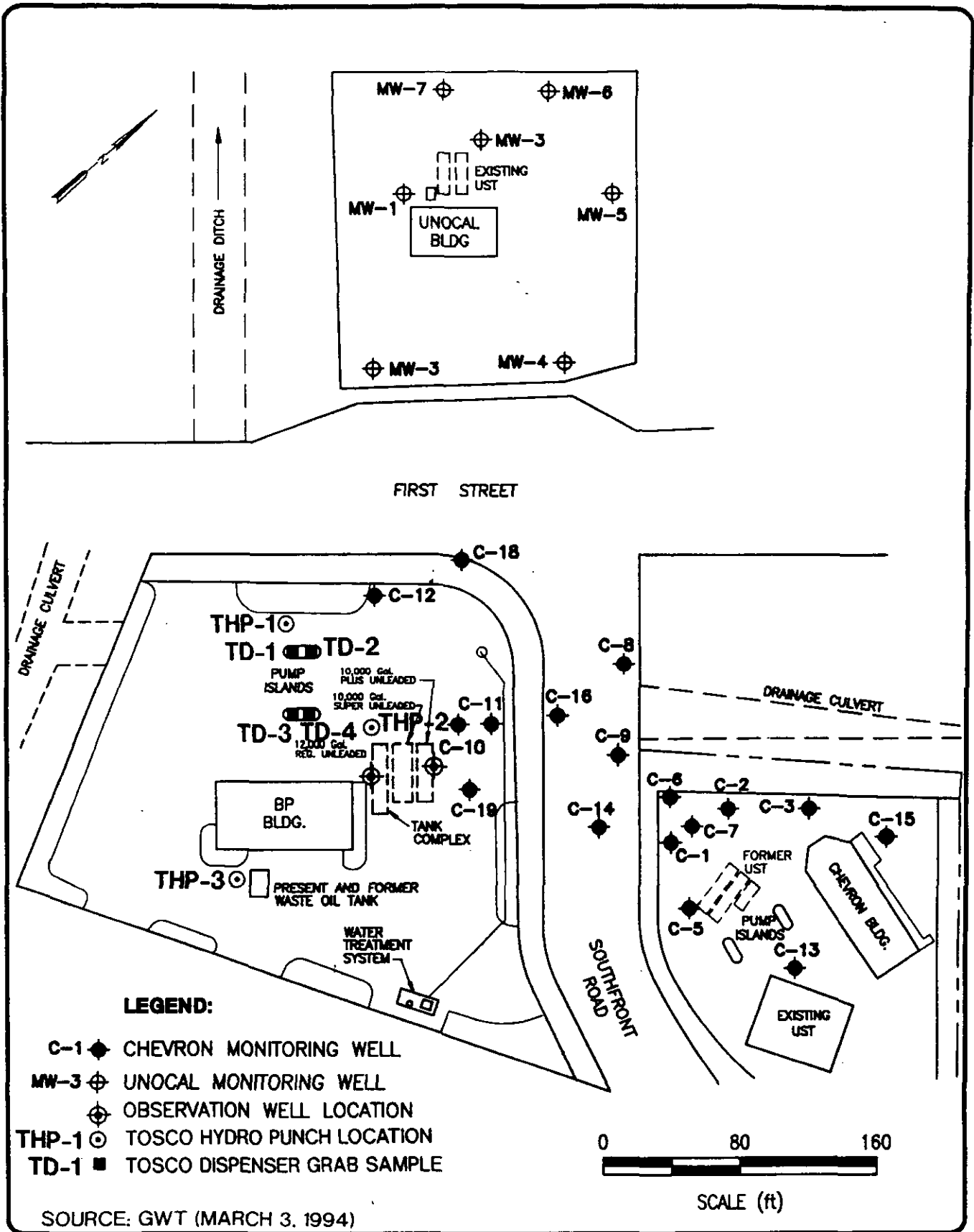
Site Number 11128  
4707 First Street, Livermore, California

Groundwater Sample Results of Analyses (ppb)

Sample Number	Depth to Water (feet)	Date Sampled	California DHS LUFT Method TPH-G	California DHS LUFT Method Hydrocarbon Scan		BTEX EPA Method 5030/8020			
			TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes
THP1-W	18	10/21/94	nd	nd	770	nd	nd	0.8	4
THP3-W	17	10/21/94	nd	nd	nd	nd	nd	nd	nd
BLK-W	n/a	10/21/94	nd	---	---	nd	nd	nd	nd

Note:

TPH-G = Total petroleum hydrocarbons as gasoline.	TW = Tosco well.
GPH-D = Total petroleum hydrocarbons as diesel.	TB = Tosco boring.
TPH-O = Total petroleum hydrocarbons as oil.	THP = Tosco HydroPunch.
nd = Not detected at or above method reporting limit.	BLK = Tosco HydroPunch equipment blank sample
n/a = Not applicable.	* = Raised method reporting limits (see laboratory report in Attachment D).
--- = Not analyzed.	** = THP1 through THP3 are referred to as HP1 through HP3 on the lab report.



DATE 12-08-94  
 DWN. MLP  
 REV. \_\_\_\_\_  
 APPR. \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_  
 0952-041.03

Figure 1  
 TOSCO #11128  
 4707 FIRST STREET  
 LIVERMORE, CALIFORNIA  
**SITE PLAN**

**APPENDIX A**  
**CERTIFIED ANALYTICAL REPORTS**



November 16, 1994

Service Request No: S941286

Mike Noll  
EMCON Northwest, Inc.  
18912 N. Creek Parkway  
Bothell, WA 98011

NOV 29 1994

Re: TOSCO # 11128 / 0952-041.02


Dear Mr. Noll:

Attached are the results of the water samples submitted to our lab on October 24, 1994. For your reference, these analyses have been assigned our service request number S941286.

All analyses were performed consistent with our laboratory's quality assurance program. All results are intended to be considered in their entirety, and CAS is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions.

Respectfully submitted:

  
Keoni A. Murphy  
COLUMBIA ANALYTICAL SERVICES, INC.

KAM/ajb

COLUMBIA ANALYTICAL SERVICES, Inc.



Acronyms

ASTM	American Society for Testing and Materials
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MRL	Method Reporting Limit
NA	Not Applicable
NAN	Not Analyzed
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected at or above the MRL
NR	Not Requested
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons



COLUMBIA ANALYTICAL SERVICES, INC.



Analytical Report

Client: EMCON Associates  
 Project: TOSCO # 11128 / 0952-041.02  
 Sample Matrix: Water

Service Request: S941286  
 Date Collected: 10/21/94  
 Date Received: 10/24/94  
 Date Extracted: 10/31/94  
 Date Analyzed: 11/1,2/94

Hydrocarbon Scan  
 EPA Method 3510/California DHS LUFT Method  
 Units: ug/L (ppb)

Analyte:	Mineral Spirits	Jet Fuel	Kerosene	TPH as Diesel	Hydraulic Oil
Method Reporting Limit:	50	50	50	50	250

Sample Name	Lab Code	Mineral Spirits	Jet Fuel	Kerosene	TPH as Diesel	Hydraulic Oil
11128-HP1-W	S941286-001	ND	ND	ND	ND	770
11128-HP3-W	S941286-002	ND	ND	ND	ND	ND
Method Blank	S941031-WB	ND	ND	ND	ND	ND

Approved By: \_\_\_\_\_

*Kevin Murphy*

Date: \_\_\_\_\_

*November 16, 1994*

COLUMBIA ANALYTICAL SERVICES, INC.



QA/QC Report

Client: EMCON Associates  
Project: TOSCO # 11128 / 0952-041.02  
Sample Matrix: Water

Service Request: S941286  
Date Collected: 10/21/94  
Date Received: 10/24/94  
Date Extracted: 10/31/94  
Date Analyzed: 11/1,2/94

Surrogate Recovery Summary  
Hydrocarbon Scan  
EPA Method 3510/California DHS LUFT Method

Sample Name	Lab Code	Percent Recovery p-Terphenyl
11128-HP1-W	S941286-001	94
11128-HP3-W	S941286-002	92
Method Blank	S941031-WB	62 *

CAS Acceptance Limits: 66-123

\* The surrogate recovery for the Method Blank is below the acceptance limits. The surrogate recovery for all samples is within the limits. Some of the samples were ND for all analytes. We do not believe that the data is significantly affected.

Approved By: \_\_\_\_\_

*Keenan Murphy*

Date: \_\_\_\_\_

*November 16, 1994*

SUR.1/062994



PROJECT NAME <u>TOSCO 11128 .0952-041.02</u>					NUMBER OF CONTAINERS	ANALYSIS REQUESTED										REMARKS			
PROJECT MNGR <u>Lynn Gallagher</u>						Base/Alkyl/Aromatic Organics GC/MS 623/6270	Volatile Organics GC/MS 624/6240	Halogenated or Aromatic Volatiles 801/8070 <input type="checkbox"/>	KOH as Gas/HTS 802/8020 <input type="checkbox"/>	DHS LUFT/HTS <input type="checkbox"/>	DHS as Dissolved/HTS <input type="checkbox"/>	TPPH - 41&1	Oil and Grease Method	Metals (total or dissolved) List Below	pH, Cond, Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , ALK, TDS, TSS (circle)		NH <sub>4</sub> -N, COD, Total-P, TRN (circle)	Total Organic Carbon 415/8060	Total Phenols
COMPANY/ADDRESS <u>EMCON - San Jose</u>																			
PHONE <u>(408) 453-7300</u>																			
SAMPLERS SIGNATURE <u>Daniel Galasso</u>																			
SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX															
11128-HP1-S- <sup>13.5</sup> <sub>14</sub>	10/21/94			Soil	1													Hold	
11128-HP1-S- <sup>16.5</sup> <sub>17</sub>					1													Hold	
11128-HP1-S- <sup>17.5</sup> <sub>17.5</sub>					1													Hold	
11128-HP1-S- <sup>20-20.5</sup> <sub>20.5</sub>					1													Hold	
11128-HP1-S- <sup>20.5</sup> <sub>21</sub>					1													Hold	
11128-HP2-S- <sup>21.5</sup> <sub>3</sub>					1													Hold	
11128-HP2-S- <sup>3-3.5</sup> <sub>3.5</sub>					1													Hold	
11128-HP2-S- <sup>6-6.5</sup> <sub>6.5</sub>					1													Hold	
11128-HP2-S- <sup>6.5-7</sup> <sub>7</sub>					1													Hold	
11128-HP3-S- <sup>2.5-3</sup> <sub>3</sub>					1													Hold	

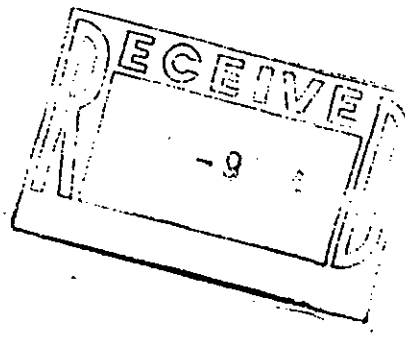
<b>RELINQUISHED BY:</b> Signature: <u>Daniel Galasso</u> Printed Name: <u>Daniel Galasso</u> Firm: <u>Emcon Assoc.</u> Date/Time: <u>10/21/94 5:30pm</u>	<b>RECEIVED BY:</b> Signature: <u>[Signature]</u> Printed Name: <u>J. Norris</u> Firm: <u>CP</u> Date/Time: <u>10/24/94 9:00am</u>	<b>TURNAROUND REQUIREMENTS:</b> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 5 day <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Standard (~ 10-15 working days) <input type="checkbox"/> Provide Verbal Preliminary Results <input type="checkbox"/> Provide FAX Preliminary Results Requested Report Date: _____	<b>REPORT REQUIREMENTS</b> <input checked="" type="checkbox"/> I. Routine Report <input type="checkbox"/> II. Report (Includes DUP, MS, MSD, as required, may be charged as samples) <input type="checkbox"/> III. Data Validation Report (Includes All Raw Data) <input type="checkbox"/> IV. CLP Deliverable Report	<b>INVOICE INFORMATION:</b> P.O. #: _____ Bill to: _____	<b>SAMPLE RECEIPT:</b> Shipping VIA: _____ Shipping #: _____ Condition: _____ Lab No.: _____
<b>RELINQUISHED BY:</b> Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____		<b>RECEIVED BY:</b> Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____			
<b>SPECIAL INSTRUCTIONS/COMMENTS:</b> _____ _____ _____					







PROJECT  
FILE



November 4, 1994

Mike Noll  
EMCON Northwest  
18912 N. Creek Pkwy.  
Bothell, WA 98011

Re: TOSCO #11128/Project #0952-041.02

Dear Mike:

Enclosed are the results of the samples submitted to our lab on October 26, 1994. For your reference, these analyses have been assigned our service request number L943337.

All analyses were performed in accordance with our laboratory's quality assurance program. Golden State / CAS is certified for environmental analyses by the California Department of Health Services (Certificate # 1296/Expiration - December 1994).

Please call if you have any questions.

Respectfully submitted,

Golden State / CAS Laboratories, Inc.

*Elaine R. Thomas*

Elaine R. Thomas  
Project Chemist

ET/ib

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON Northwest  
 Project: TOSCO #11128/#0952-041.02  
 Sample Matrix: Water

Service Request: L943337  
 Date Collected: 10/21/94  
 Date Received: 10/26/94  
 Date Extracted: NA

BTEX and TPH as Gasoline  
 EPA Methods 5030/8020/Modified 8015/California DHS LUFT Method

Analyte:	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH as Gasoline
Units:	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)
Method Reporting Limit:	0.5	0.5	0.5	0.5	50

Sample Name	Lab Code	Date Analyzed	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH as Gasoline
11128-HP1-W	L943337-001	10/27/94	ND	ND	0.8	4	ND
11128-HP3-W	L943337-002	10/27/94	ND	ND	ND	ND	ND
11128-BLK-W	L943337-003	10/27/94	ND	ND	ND	ND	ND
Method Blank	L943337-MB	10/27/94	ND	ND	ND	ND	ND

NA Not Applicable  
 ND None Detected at or above the method reporting limit.

Approved By: Elaine R. Thomas Date: 11-4-94





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON Northwest  
Project: TOSCO #11128/#0952-041.02  
Sample Matrix: Water

Service Request: L943337  
Date Collected: 10/21/94  
Date Received: 10/26/94  
Date Extracted: 10/28/94  
Date Analyzed: 11/1/94

Hydrocarbon Scan  
California DHS LUFT Method

Analyte:	Mineral Spirits	Jet Fuel	Kerosene	Diesel	Hydraulic Oil
Units:	mg/L (ppm)	mg/L (ppm)	mg/L (ppm)	mg/L (ppm)	mg/L (ppm)
Method Reporting Limit:	1	1	1	1	5

Sample Name	Lab Code	Date Analyzed	Mineral Spirits	Jet Fuel	Kerosene	Diesel	Hydraulic Oil
11128-HP1-W	L943337-001	11/1/94	ND	ND	ND	ND	ND
11128-HP3-W	L943337-002	11/1/94	ND	ND	ND	ND	ND
Method Blank	L943337-MB	11/1/94	ND	ND	ND	ND	ND

NA Not Applicable  
ND None Detected at or above the method reporting limit.

Approved By: Clara R. Horan Date: 11-4-94

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: EMCON Northwest  
 Project: TOSCO #11128/#0952-041.02  
 Sample Matrix: Soil

Service Request: L943337  
 Date Collected: 10/21/94  
 Date Received: 10/26/94  
 Date Extracted: 10/27/94  
 Date Analyzed: 11/1/94

Hydrocarbon Scan  
 California DHS LUFT Method

	Mineral	Jet Fuel	Kerosene	Diesel	Hydraulic Oil
Analyte:	Spirits	Jet Fuel	Kerosene	Diesel	Oil
Units:	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Method Reporting Limit:	1	1	1	1	5

Sample Name	Lab Code	Date Analyzed	Mineral	Jet Fuel	Kerosene	Diesel	Hydraulic Oil
11128-HP1-5-10-10.5	L943337-004	10/30/94	ND	ND	ND	ND	ND
11128-HP1-5-13.5-14	L943337-005	10/31/94	ND	ND	ND	ND	ND
11128-HP2-5-3-3.5	L943337-006	10/31/94	ND	ND	ND	ND	ND
11128-HP2-5-6.5-7	L943337-007	10/31/94	ND	ND	ND	ND	ND
11128-HP3-5-10-10.5	L943337-008	10/31/94	ND	ND	ND	ND	ND
11128-HP3-5-13.5-14	L943337-009	10/31/94	ND	ND	ND	ND	ND
11128-TD1-0.5	L943337-010	10/31/94	ND	ND	ND	140	ND
11128-TD2-0.5	L943337-011	10/31/94	ND	ND	ND	360	ND
11128-TD3-0.5	L943337-012	10/31/94	ND	ND	ND	200	ND
11128-TD4-0.5	L943337-013	10/31/94	ND	ND	ND	290	ND
Method Blank	L943337-MB	10/27/94	ND	ND	ND	ND	ND

NA Not Applicable  
 ND None Detected at or above the method reporting limit.

Approved By: \_\_\_\_\_

*Elaine R. Thomas*

Date: \_\_\_\_\_

11-4-94

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: EMCON Northwest  
Project: TOSCO #11128/#0952-041.02  
Sample Matrix: Water

Service Request: L943337  
Date Collected: NA  
Date Received: NA  
Date Extracted: NA  
Date Analyzed: NA

Surrogate Recovery Summary  
BTEX and TPH as Gasoline  
EPA Methods 5030/8020/Modified 8015/California DHS LUFT Method

Sample Name	Lab Code	Percent Recovery 4-Bromofluorobenzene	Percent Recovery <i>a,a,a</i> -Trifluorotoluene
11128-HP1-W	L943337-001	116	93
11128-HP3-W	L943337-002	111	86
11128-BLK-W	L943337-003	113	87
Method Blank	L943337-MB	115	91

CAS Acceptance Limits: 50-130 60-120

NA Not Applicable

Approved By: Elain R. Thomas Date: 11-4-98

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: EMCON Northwest  
 Project: TOSCO #11128/#0952-041.02  
 Sample Matrix: Soil

Service Request: L943337  
 Date Collected: NA  
 Date Received: NA  
 Date Extracted: NA  
 Date Analyzed: NA

Surrogate Recovery Summary  
 BTEX and TPH as Gasoline  
 EPA Methods 5030/8020/Modified 8015/California DHS LUFT Method

Sample Name	Lab Code	Percent Recovery 4-Bromofluorobenzene	Percent Recovery a,a,a-Trifluorotoluene
11128-HP1-5-10-10.5	L943337-004	78	90
11128-HP1-5-13.5-14	L943337-005	78	93
11128-HP2-5-3-3.5	L943337-006	71	94
11128-HP2-5-6.5-7	L943337-007	*	74
11128-HP3-5-10-10.5	L943337-008	80	96
11128-HP3-5-13.5-14	L943337-009	76	84
11128-TD1-0.5	L943337-010	60	93
11128-TD2-0.5	L943337-011	58	86
11128-TD3-0.5	L943337-012	69	101
11128-TD4-0.5	L943337-013	59	85
Method Blank	L943337-MB	99	120

CAS Acceptance Limits: 50-130 60-120

NA Not Applicable  
 \* 4-Bromofluorobenzene outside acceptance limits.  
 Trifluorotoluene is within limits, therefore data was approved.

Approved By: Elaine R Thomas Date: 11-4-94

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: EMCOR Northwest  
Project: TOSCO #11128/#0952-041.02  
Sample Matrix: Water

Service Request: L943337  
Date Collected: NA  
Date Received: NA  
Date Extracted: NA  
Date Analyzed: NA

Surrogate Recovery Summary  
Hydrocarbon Scan  
California DHS LUFT Method

Sample Name	Lab Code	Percent Recovery <i>p</i> -Terphenyl
11128-HP1-W	L943337-001	87
11128-HP3-W	L943337-002	91
Method Blank	L943337-MB	99

CAS Acceptance Limits: 50-140

NA Not Applicable

Approved By: \_\_\_\_\_

*Elaine R. Thomas*

Date: 11-4-94

SUR1/062994

L943337.XLS - 801 Series 11/4/94

6925 CANOGA AVENUE

CANOGA PARK, CA 91303

818 587-5550

FAX 818 587-5555

Page No.:







1921 Ringwood Ave. • San Jose, CA 95131 • (408) 437-2400, FAX (408)437-9356

PROJECT NAME TOSCO 11128 #0952-041.02  
 PROJECT MNGR Lynn Gallayher  
 COMPANY/ADDRESS EMCON - San Jose  
 PHONE (408) 453-7300  
 SAMPLERS SIGNATURE Daniel Galasso

NUMBER OF CONTAINERS	ANALYSIS REQUESTED												REMARKS
	Base/Neutral/Acid Organics GC/MS 625/8270	Volatile Organics GC/MS 624/8240	Halogenated or Aromatic Volatiles 621/8010	TERP As Gas/BTEX 622/8020	DHS LUFT/8285	CRPA as Diesel/BTEX 623/8280	DHS LUFT	TPPH - 418.1	Oil and Grease Method List Below	Metals (total or dissolved) List Below	pH, Cond, Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> -N, TDS, TSS (sieve)	NO <sub>3</sub> -N, COD, Total-P, TOX	

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX
11128-HP1-S-13.5-14	10/21/94		L943337-5	Soil
11128-HP1-S-16.5-17				
11128-HP1-S-17.5-18				
11128-HP1-S-20.5-21				
11128-HP1-S-20.5-21				
11128-HP2-S-2.5-3			6	
11128-HP2-S-3.5-4				
11128-HP2-S-6.5-7			7	
11128-HP3-S-2.5-3				

<b>RELINQUISHED BY:</b> Signature: <u>Daniel Galasso</u> Printed Name: <u>Daniel Galasso</u> Firm: <u>EMCON Assoc.</u> Date/Time: <u>10/21/94 5:30pm</u>	<b>RECEIVED BY:</b> Signature: _____ Printed Name: _____ Firm: _____ Date/Time: _____	<b>TURNAROUND REQUIREMENTS:</b> ___ 24 hr ___ 48 hr <input checked="" type="checkbox"/> 5 day <input checked="" type="checkbox"/> Standard (~ 10-15 working days) ___ Provide Verbal Preliminary Results ___ Provide FAX Preliminary Results Requested Report Date: _____	<b>REPORT REQUIREMENTS</b> <input checked="" type="checkbox"/> I. Routine Report ___ II. Report (includes DUP,MS, MSD, as required, may be charged as samples) ___ III. Data Validation Report (includes All Raw Data) ___ IV. CLP Deliverable Report	<b>INVOICE INFORMATION:</b> P.O. #: _____ Bill to: _____	<b>SAMPLE RECEIPT:</b> Shipping VIA: _____ Shipping #: _____ Condition: _____ Lab No.: _____
--	---	--	---	--	--

<b>RELINQUISHED BY:</b> Signature: <u>John Lyons</u> Printed Name: <u>John Lyons</u> Firm: <u>EMCON</u> Date/Time: <u>10/25/94 1600</u>	<b>RECEIVED BY:</b> Signature: <u>Elaine R. Thomas</u> Printed Name: <u>Elaine R. Thomas</u> Firm: <u>CAS/GS</u> Date/Time: <u>10/26/94 FedEx</u>
---	---

**SPECIAL INSTRUCTIONS/COMMENTS:**

Hold  
Hold  
~~11128-HP1-S-17.5-18~~ YML 10/24/94 Do not Analyze  
~~11128-HP1-S-20.5-21~~ YML 10/24/94 Do not Analyze  
Hold  
Hold  
Hold



1286

PROJECT NAME TOSCO 11128 # 0952-041.02  
 PROJECT MNGR. Lynn Gallagher  
 COMPANY/ADDRESS EMCCN - San Jose  
 PHONE (408) 453-7300  
 SAMPLERS SIGNATURE Daniel Galasso

NUMBER OF CONTAINERS	ANALYSIS REQUESTED												REMARKS			
	Base/Neutral/Acid Organics GC/MS 625/8270	Volatile Organics GC/MS 624/8240	Halogenated or Aromatic Volatiles 601/8010	TPH as Gas/615	TPH as Dissolved/610	TPH - LIFT	TPPH - 418.1	Oil and Grease Method List Below	Metals (total or dissolved)	pH, Cond. Cl, SO <sub>4</sub> , PO <sub>4</sub> , F, NO <sub>2</sub> , Alk, TDS, TSS (circle)	NO <sub>3</sub> - N, COD, Total-P, TOX	Total Organic Carbon TOC 415/6060		Total Phosphorus		
				X	X											
				X	X											

RELINQUISHED BY: Daniel Galasso  
 Signature  
Daniel Galasso  
 Printed Name  
EMCCN Assoc.  
 Firm  
10/21/94 5:30pm  
 Date/Time

RECEIVED BY: \_\_\_\_\_  
 Signature  
 \_\_\_\_\_  
 Printed Name  
 \_\_\_\_\_  
 Firm  
 \_\_\_\_\_  
 Date/Time

TURNAROUND REQUIREMENTS:  
 24 hr \_\_\_\_\_ 48 hr \_\_\_\_\_ 5 day   
 Standard (~ 10-15 working days)  
 Provide Verbal Preliminary Results \_\_\_\_\_  
 Provide FAX Preliminary Results \_\_\_\_\_  
 Requested Report Date \_\_\_\_\_

REPORT REQUIREMENTS  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be charged as samples)  
 III. Data Validation Report (includes All Raw Data)  
 IV. CLP Deliverable Report

INVOICE INFORMATION:  
 P.O. # \_\_\_\_\_  
 Bill to: \_\_\_\_\_  
 Shipping VIA: \_\_\_\_\_  
 Shipping #: \_\_\_\_\_  
 Condition: \_\_\_\_\_  
 Lab No.: \_\_\_\_\_

RELINQUISHED BY: John Thomas  
 Signature  
JOHN THOMAS  
 Printed Name  
CAS/IS  
 Firm  
10/25/94 1:00  
 Date/Time

RECEIVED BY: Elaine R Thomas  
 Signature  
Elaine R Thomas  
 Printed Name  
CAS/GS  
 Firm  
10/26/94  
 Date/Time  
Ed Ex

SPECIAL INSTRUCTIONS/COMMENTS: