

Quarterly Ground-Water Monitoring Results, Oro Loma Sanitary District Treatment Plant, 2600 Grant Avenue, San Lorenzo, California

> March 17, 1995 LF 3470.00

> > Prepared for

Oro Loma Sanitary District



LEVINE-FRICKE

ORO LOMA SANITARY DISTRICT

2600 Grant Avenue SAN LORENZO, CALIFORNIA 94580

LETTER OF TRANSMITTAL

				DATE 3 - 79-9	15 30BNO 264-02
(415) 2	276-4700 F/	AX (415)	276-1528	ATTENTION A	LEET
AL	A- CO. K	EPT. 17	FEN MRON MENTAL		
1	السيال	P14		Hor	toune reports
	V(Rown	FU TAN	protection bivistory PKW4.1 # 250 94502	\	Francisco (Michigana dis 1 supplementation of the state o
$\frac{\sqrt{1}}{\sqrt{1}}$	i Champ	2 PA	PINO RECUISO DIVISTO		ECEIVEN
115	MATURA	$\mathcal{A} \subset \mathcal{A}^{\times K}$	of thuy, it es		
AC	WM BDA	CA	14502		MAR 3 0 1995
VE ARE	SENDING YOU	M Attaci	hed □ Under separate cover via	By_	the following items:
	☐ Shop draw				2 2 1
	☐ Copy of let			GPONT	openioatione
COPIES	DATE	NO.	1	DESCRIPTION	
-			REPORT by L	EVINE - PRICKE	<u></u>
				 	
·					
•				***	
<u>.</u>					· · · · · · · · · · · · · · · · · · ·
THESE A	For approv For your u As request	val ise ted and comm	□ Approved as submitted □ Approved as noted □ Returned for correction	□ Submit s □ Return	copies for distributioncorrected prints
	☐ FOR BIDS	DUE	19	_ 🗆 PRINTS RETURN	ED AFTER LOAN TO US
≀EMARKS	S				
•					
			Language and the second		- Age at the second sec
			· · · · · · · · · · · · · · · · · · ·		
	.		***************************************		1
JUPY 10	!		· · · · · · · · · · · · · · · · · · ·	SIGNED Thich	alfhil
DDONICT 240.2 C		•	if enclosures are not as noted, k	SIGNED: Truck	use coulst
ANDON ZAO-Z /A	<i>EBS)</i> Inc., Groton, Mass. 01471.			I.	1110 1



LEVINE-FRICKE ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

March 17, 1995

LF 3470.00

Mr. Michael Cortez Assistant Civil Engineer Oro Loma Sanitary District 2600 Grant Avenue San Lorenzo, California 94580

Subject:

Quarterly Ground-Water Monitoring Results, Oro Loma

Sanitary District Treatment Plant, 2600 Grant

Avenue, San Lorenzo, California

Dear Mike:

Enclosed is the original of our report presenting the quarterly ground-water monitoring results for well MW-1 for the period from January 1 through March 31, 1995. A copy of the report is also enclosed for your files.

Please attach a cover letter to the original report and send it to the attention of the Case Officer, Alameda County Health Care Services (ACHCS) Underground Tank Section, Department of Environmental Health, 1131 Harbor Bay Parkway, Room 250, Alameda, California 94502-6577.

This quarterly ground-water monitoring event concludes Levine•Fricke's authorized work at the subject site. A total of four quarters of ground-water quality monitoring have been performed by Levine•Fricke. In this report, Levine•Fricke recommends that Ora Loma pursue case closure with Alameda County Health Care Services, which would result in termination of ground-water quality monitoring and proper destruction of the ground-water monitoring well.

Please do not hesitate to call me or John Sturman if you have any questions or need additional information.

Sincerely,

Shellie Fletcher

Senior Staff Geotechnical Engineer

Enclosure

1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500 Fax (510) 652-2246



LEVINE-FRICKE ENGINEERS. HYDROGEOLOGISTS & APPLIED SCIENTISTS

March 17, 1995

LF 3470.00

Mr. Michael Cortez Assistant Civil Engineer Oro Loma Sanitary District 2600 Grant Avenue San Lorenzo, California 94580

Subject: Quarterly Ground-Water Monitoring Results, Oro Loma Sanitary District Treatment Plant, 2600 Grant Avenue, San Lorenzo, California

Dear Mike:

This letter report transmits the results of quarterly ground-water monitoring for the Oro Loma Sanitary District Treatment Plant in San Lorenzo, California ("the Site") for the period January 1 through March 31, 1995. We recommend that you forward a copy of these results to Alameda County Health Care Services — Environmental Health Division.

Quarterly ground-water monitoring was conducted at the Site in accordance with Levine.Fricke's work order entitled "Work Order for Ground-Water Monitoring and Well Closure at the Oro Loma Sanitary District Water Pollution Control Plant, 2600 Grant Avenue, San Lorenzo, California," dated November 23, 1994.

A ground-water sample was collected from monitoring well MW-1 on February 1, 1995 (Figure 1). Before the sample was collected, the depth from the top of the well casing to ground water was measured to the nearest 0.01 foot using an electronic water level recorder; the measured depth to ground water on that date was 0.85 feet.

The well was purged with a centrifugal pump. During well purging, pH, specific conductance, and water temperature were monitored using portable field instruments and recorded on a water-quality sampling form (Attachment 1). The well was purged until three well volumes were removed and/or the parameters stabilized to within 10 percent of the previous measurement. The hose for the centrifugal pump was steam cleaned before use in the well. Purged ground water was pumped into the treatment plant headworks for treatment with sanitary discharge.

1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500 Fax (510) 652-2246

LEVINE-FRICKE

A ground-water sample was collected using a clean Teflon bailer fitted with a new length of rope. For analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), ground water collected in the bailer was gently poured into precleaned, laboratory-supplied, 40-milliliter glass volatile organic analysis vials. For analysis of total petroleum hydrocarbons as diesel (TPHd), a 1-liter amber glass bottle was filled with ground water from the bailer.

The samples were stored in an ice-chilled cooler and submitted under chain-of-custody protocol to Anametrix of San Jose, California, a state-certified analytical laboratory.

Modified EPA Method 8015 was used to analyze the primary sample for TPHd, and EPA Method 8020 was used to analyze the primary sample for BTEX.

Analytical test results detected TPHd at a concentration of 0.38 mg/l, which was approximately the same as concentrations detected during previous sampling events at well MW-1 (see Table 1). The BTEX compounds were not detected above laboratory detection limits. A copy of the laboratory data report attached (Attachment 2).

Levine.Fricke recommends that Oro Loma pursue case closure through Alameda County Health Care Services. It is our opinion that the case should be considered for closure for the following reasons:

- Concentrations of diesel are low and have not increased during the four sampling events.
- There are no drinking water maximum contaminant levels (MCLs) established by the US EPA or State of California for diesel.
- BTEX compounds have not been detected in any ground-water sample collected from the well, and thus are below respective drinking water MCLs.
- Approximately 275 cubic yards of accessible petroleum hydrocarbon-affected soils have been removed from the source area to mitigate contamination to ground-water.
- Excavation soil quality samples indicate that most of the diesel-affected soils have been removed.

If ground water monitoring is terminated, the well should be properly destroyed in accordance with State of California Well

LEVINE-FRICKE

Standards. All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of, and have been reviewed by, a Levine•Fricke California Registered Geologist.

If you have any questions or need additional information, please do not hesitate to call either of the undersigned.

Sincerely,

Shellie Fletcher

Senior Staff Geotechnical

O Die Hertel

Engineer

John Sturman, P.E., R.G.

Senior Geotechnical Engineer

California Registered

Geologist (5714)

Enclosures: Table 1: Historical Ground-Water Quality Results

Figure 1: Location of Monitoring Well

Appendix A: Water-Quality Sampling Forms

Appendix B: Laboratory Data Reports

TABLE 1

HISTORICAL GROUND-WATER QUALITY RESULTS IN GROUND-WATER MONITORING WELLS

ORO LOMA SANITARY DISTRICT, SAN LORENZO, CALIFORINIA (concentrations reported in parts per mill

=========			========	========	<i>A</i>	
Sample	Date			Ethyl-	Total	
Number	Sampled E	Benzene	Toluene	benzene	Xylenes	TPHd
Resu	llts prior to	excavati	on of pet	roleum af	fected soi	ls.
MW-1	28-Jan-93 √			<0.0005	<0.0005	0.59
	729-jul-93√ 7/7/an	<0.0005	<0.0005	<0.0005	<0.002	0.72
Res	ults after e	cavation	of petro	leum affe	cted soils	
MIL 4	(19 HON 93)	/-0 000E	-0.0005	-0 000E	-0.000	0.7
MW-1	₩01-Dec-93√		<0.0005	<0.0005	<0.002	0.3
	duplicate		<0.0005		<0.002	0.3
	15-Mar-94v	· -	<0.0005			0.2
	duplicate		<0.0005		<0.002	0.2
	15-Jun-94		<0.001			0.17
	01-Feb-95	<0.0005	<0.0005	<0.0005	<0.002	0.38
Field Blan	ks					
MW-1-FB	29-Jul-93		<0.0005		<0.002	NR
MW-1-FB	01-Dec-93	<0.0005	<0.0005	<0.0005	<0.002	NR
MW-1-FB	15-Har-94	<0.0005	<0.0005	<0.0005	<0.002	<0.05
MW-1-FB	15-Jun-94	<0.0005	<0.0005	<0.0005	<0.0005	<0.14
Trip Blank	(S					
•	29-Jul-93			<0.0005	–	NR
	01-Dec-93			<0.0005		NR
Trip Blank	15-Mar-94	<0.0005	<0.0005	<0.0005	<0.002	NR
Trip Blank	: 15-Jun-94	<0.0005	<0.0005	<0.0005	<0.0005	NR
Data enter	ed by KAC/10	Mar 95.	Data pro	ofed by S		/9c by <u>5</u> 1

NOTES:

NR analyses not requested

TPHd total petroleum hydrocarbons as diesel

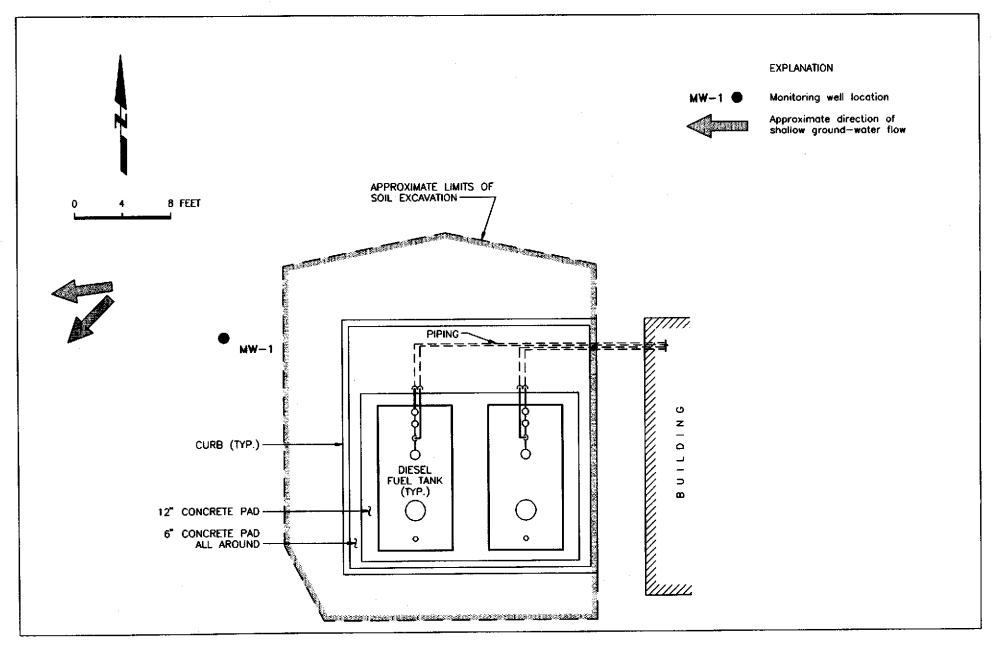


Figure 1 : LOCATION OF MONITORING WELL, ORO LOMA SANITARY DISTRICT

LEVINE-FRICKE
ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

APPENDIX A WATER-QUALITY SAMPLING FORM

WATER-QUALITY	SAMPLING	INFORMATION
---------------	----------	--------------------

1020	} 						
Project No.: 2793.02			·			Date: 1/31/95	
Project Name: OKO LOL	4				S	ample No.:	
Sample Location: Mw-/	· · · · · · · · · · · · · · · · · · ·					☐ FB:	
Samplers Name: JCK			<u>.</u>			DUP:	
Sampling Plan Prepared By:] G B		·		[
Sampling Method:					1	14.20	
Centrifugal Pump	ليبا	sposable Bai	la			. 75	
Submersible Pump	X Te	flon Bailer				7.35	
Hand Bail		(Other)		•		.45	
Analyses Requested		Number and	Types of l			8010	
8020	-	3 V	O A			8.6775	
Method of Shipment			*************************************				
AN AWSTEN	(∑ Couri						
(Lab Name)	_						ļ
	Hand	Deliver:					
Well Number: - M W -/		W	ell Diamete	F:			
epth of Water: 0.85	·		2" (0.1	6 Gallon/Fe	ect)		
Well Denth: 14.20			4 " (0.6	55 Gallon/Fo	ect		
Height of Water Column: (3.35				2 Gallon/Fo			
folume in Well: 3.68				7 Gallon/F		80% DTW	
to Water Purged (Gallons)	Totalizer Reading	Temparture *C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks	
0:49						START	
0150 10		17.5	7.52	10270		TUBID	
0.50 DEWARE 11						off	
ω: 56							
D:57 DENAZE 20		18.0	263	(1540		TURBIN OFF	
11:05		4					
:06 29 4:06 Nov. 30		18.3	7.64	11860		TURBID	
4:06 DEU. 30						OFF	
:15 .99						SARCE	
				1			
		i	1		 		
				l	1		
	-			<u> </u>			—
Inlet Depth:			<u> </u>				

APPENDIX B LABORATORY DATA REPORT

1961 Concourse Drive Suite E San Jose, CA 95151 Tel: 408-452-8192 Fax: 408-452-8198

MS. SHELLY FLETCHER LEVINE-FRICKE 1900 POWELL STREET 12TH FLOOR EMERYVILLE, CA 94608

Workorder # : 9502011 Date Received: 02/01/95 Project ID : 2793.02

Milling V Raybuur

Purchase Order: N/A

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9502011- 1	MW-1

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Laboratory Director

This report consists of 2/2 pages.

RECEIVED FES 13 1995



ANAMETRIX REPORT DESCRIPTION GC

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix 1D number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, <u>if</u> the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an $^{++}$, and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B Indicates that the compound was detected in the associated method blank.
- J Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E Indicates that the reported amount exceeded the linear range of the instrument calibration.
- D Indicates that the compound was detected in an analysis performed at a secondary dilution.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- ♦ . Amounts reported are gross values, i.e., not corrected for method blank contamination.

npl/3426 - Disk 15E

REPORT SUMMARY ANAMETRIX, INC. (408)432-8192

MS. SHELLY FLETCHER

LEVINE-FRICKE

1900 POWELL STREET 12TH FLOOR

EMERYVILLE, CA 94608

Workorder # Workorder # : 9502011 Date Received : 02/01/95

Project ID : 2793.02
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9502011- 1	MW-1	WATER	01/31/95	8020

REPORT SUMMARY ANAMETRIX, INC. (408)432-8192

MS. SHELLY FLETCHER LEVINE-FRICKE 1900 POWELL STREET 12TH FLOOR EMERYVILLE, CA 94608 Workorder # : 9502011 Date Received : 02/01/95 Project ID : 2793.02

Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

H. Harslini 29/91

Department Supervisor Date

Kamel C. Kumel 119195
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8020 ANAMETRIX, INC. (408)432-8192

roject ID : 2793.02 : 9502011-01 Anametrix ID

Sample ID : MW-1 Analyst : KK atrix : WATER Supervisor : Dh

ate Sampled Date Analyzed Instrument ID : 1/31/95 : 2/ 8/95 : HP14 Dilution Factor : 1.0

Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2 108-88-3 108-90-7 100-41-4 1330-20-7 541-73-1 106-46-7 95-50-1	Benzene Toluene Chlorobenzene Ethylbenzene Total xylenes 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	.50 .50 .50 .50 .50 .50 .50		מממממממ

GC/VOA - PAGE 3

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8020 ANAMETRIX, INC. (408)432-8192

: 2793.0 Anametrix ID : BF0802I3

Project ID
Sample ID
Matrix
Date Sampled
Date Analyzed : Kt : 12k : VBLKE1 Analyst : WATER Supervisor

Date Sampled : 0/0/0
Date Analyzed : 2/8/95
Instrument ID : HP14 Dilution Factor : Conc. Units : 1.0

: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2 108-88-3 108-90-7 100-41-4 1330-20-7 541-73-1 106-46-7 95-50-1	Benzene Toluene Chlorobenzene Ethylbenzene Total xylenes 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	.50 .50 .550 .550 .550 .55	ND ND ND ND ND ND ND ND	บ บ บ บ บ บ

GC/VOA - PAGE 4

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8020 ANAMETRIX, INC. (408)432-8192

Project ID : 2793.02 Matrix : LIQUID

793.02 Anametrix ID : 9502011 QUID Analyst : kC

Analyst : kk Supervisor : k

		y		
	SAMPLE ID	SU1	SU2	នប3
1	VBLKE1	79	84	-
2	MW-1	84	98	
3				
4				
6	· · · · · · · · · · · · · · · · · · ·			
7				
8				
9		·		
11			ļ ,	
12	•			
13				
14				·
15				
17				 :
18				
19				
20				
22				
23				
24				
25		<u></u>		
12345678901234567890 1111111122222222230				
28				
29				
30				

QC LIMITS

SU1 = 1-Chloro-2-fluorobenze (72-110) SU2 = 2-Bromochlorobenzene (65-108)

* Values outside of Anametrix QC limits

EPA METHOD 602/8020 INCHCAPE TESTING SERVICES - ANAMETRIX (408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Sample ID:

LAB CONTROL SAMPLE

Laboratory ID:

MF0801I3

Batch:

2011

Instrument ID:

HP14

Matrix:

WATER

Concentration Units:

ug/L

Date Analyzed:

2/8/95

Analyst: KK

Supervisor:

COMPOUND	SPIKE	LCS	%REC	%RECOVERY
NAME	AMT	REC	LCS	LIMITS
Benzene	10	9.3	93%	74-133
Toluene	10	9.6	96%	75-132
Chlorobenzene	10	8.9	89%	72-133
Ethylbenzene	10	9.4	94%	74-135
Total Xylenes	20	17.5	88%	73-129
1,3-Dichlorobenzene	10	8.3	83%	70-132
1,4-Dichlorobenzene	10	7.9	79%	71-130
1,2-Dichlorobenzene	10	8.2	82%	71-132

Quality control limits are based on data generated by ITS-Anametrix Laboratories.

REPORT SUMMARY ANAMETRIX, INC. (408)432-8192

MS. SHELLY FLETCHER

LEVINE-FRICKE

1900 POWELL STREET 12TH FLOOR

EMERYVILLE, CA 94608

Workorder # : 9502011
Date Received : 02/01/95
Project ID : 2793.02
Purchase Order: N/A

Department : GC

Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9502011- 1	MW-1	WATER	01/31/95	TPHd

REPORT SUMMARY ANAMETRIX, INC. (408)432-8192

MS. SHELLY FLETCHER LEVINE-FRICKE 1900 POWELL STREET 12TH FLOOR EMERYVILLE, CA 94608

Date Received: 02/01/95 Project ID: 2793.02 Purchase Order: N/A Department: GC

: 9502011

Workorder #

Department : GC Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

- The concentration reported as diesel for sample MW-1 is primarily due to the presence of a heavier petroleum product of hydrocarbon range C18-C36, possible motor oil.

Department Supervisor

>/طرح Date Chemist

2(8195 Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL

INCHCAPE TESTING SERVICES - ANAMETRIX (408) 432-8192

DATA SUMMARY FORM

Anametrix Workorder

9502011

Client Project ID:

2793.02

Matrix:

WATER

Date Released:

2/8/95

Date Extracted:

2/3/95

Concentration Units:

ug/L

Instrument ID:

HP19

Anametrix ID	Client ID	Date Sampled	Date <u>Analyzed</u>		Reporting <u>Limit</u>		Surrogate Recovery
9502011-01	MW-1	1/31/95	2/4/95	I	50	380	102%
BF0311F9	Method Blank		2/4/95	1	50	ND	95%

ND: Not detected at or above the reporting limit for the method. TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3510. Surrogate recovery quality control limits for o-terphenyl are 67-103%. All testing procedures follow California Department of Health Services approved methods.

Analyst

Date

TOTAL PETROLEUM HYDROCARBONS AS DIESEL

INCHCAPE TESTING SERVICES - ANAMETRIX (408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID: Matrix: Date Extracted: Date Analyzed:	2793.02 WATER 2/3/95 2/4/95			Anametrix Date Releas Instrument Concentrati	sed: ID:	9502011 2/8/95 HP19 ug/L	
COMPOUND NAME	SPIKE <u>AMT</u>	LCS CONC	% REC <u>LCS</u>	LCSD CONC	%REC LCSD	<u>RPD</u>	
Diesel	1250	1200	96%	1180	94%	-2%	
o-Terphenyl			99%		100%		

Quality control limits for LCS/LCSD recovery are 38-96%

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 67-103%.

SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9502011 CLIENT PROJECT ID: 2793	02		·
COOLER			
Shipping slip (airbill, etc.) present?	YES	NO	(N/A)
If YES, enter carrier name and airbill #:			
Custody Seal on the outside of cooler?	YES	NO	(N/A)
Condition: INTACT BROKEN			
Temperature of sample (s) within range?	Æ	NO	N/A
List temperature of cooler (s): 5°C			
SAMPLES			
Chain of custody seal present for each containet?	YES	NO	N/A
Condition: INTACT BROKEN			
Samples arrived within holding time?	Œ	NO	N/A
Samples in proper containers for methods requested?	YES	NO	
Condition of containers: INTACT BROKEN			
If NO, were samples transferred to proper container?			
Were VOA containers received with zero headspace?	YES	NO	N/A
If NO, was it noted on the chain of custody?			
Were container labels complete? (ID, date, time preservative, etc.)	YES	NO	
Were samples preserved with the proper preservative?	YES	NO	N/A
If NO, was the proper preservative added at time of receipt?			
pH check of samples required at time of receipt?	(TES)	NO	
If YES, pH checked and recorded by: $\overline{\mathcal{SP}}$.,	
Sufficient amount of sample received for methods requested?	YES	NO	
If NO, has the client or lab project manager been notified?			
Field blanks received with sample batch? # of Sets:	YES	NO	(N/A)
Trip blanks received with sample batch? # of Sets:	YES	NO	(A/A)
CHAIN OF CUSTODY			
Chain of custody received with samples?	Œ	NO	
Has it been filled out completely and in ink?	(FES)	NO	
Sample ID's on chain of custody agree with container labels?	(FES)	NO	·
Number of containers indicated on chain of custody agree with number received?	<u> </u>	NO	
Analysis methods clearly specified?	(YES)	NO	
Sampling date and time indicated?	(FS)	NO	
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	(YES)	NO	
Turnaround time? REGULAR _ RUSH			
Any NO response and/or any "BROKEN" that was checked must be detailed in the Correcti	ve Actior	Fon	m.
Sample Custodian: $\frac{\Im \ell}{\Im \ell}$ Date: $\frac{2\ell/95}{2\ell}$ Project Manager: $\frac{U\ell\ell}{2\ell}$	Date: _	2/2	195

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: Field Logbook No.: Date: 1/31/95 Serial No.: 2793.02 Project Location: SAN LORENZO, CA. Project Name: ORO LOMA SANITARY DET Nº 013387 Sampler (Signature): **ANALYSES** Samplers: Tolde 8020 SAMPLES JCK NO. OF SAMPLE LAB SAMPLE CON-SAMPLE NO. DATE TIME **REMARKS** NO. TYPE TAINERS 120 1/3/4/3/11:15 RELINQUISHED BY: RECEIVED BY: (Signature) (Signature) RELINQUISHED BY: RECEIVED BY: (Signature) (Signature) RELINQUISHED BY: RECEIVED BY: 1430 (Signature) (Signature) METHOD OF SHIPMENT: DATE TIME LAB COMMENTS: Sample Collector: Analytical Laboratory: LEVINE-FRICKE ANA-ETRY SIN JOSE CI. 1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500

Shipping Copy (White)

Lab Copy (Green)

File Copy (Yellow)

Field Copy (Pink)

FORM NO. 86/COC/ARF