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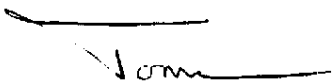
Interoffice Communication

To Al Sather
From Tom Grumbles
Date March 16, 1984
Subject CONTRACT LABORATORY FOR LEAD ANALYSIS

Single sample analysis for lead ranges from \$22.- \$25. per sample at C-TEK, Hager and UBTL. C-TEK gave me a price quote for 100-120 samples per year of \$20. per sample. The letter is enclosed.

Refining has used C-TEK in the past as have some of the other chemical plants. I have visited the laboratory in Dallas and know their reputation in the field to be a good one. Despite the fact they can't spell my name I would recommend using C-TEK.

I haven't forgot about the noise consultant recommendation. I'll get that to you in the near future.


Thomas G. Grumbles

ajo

Enclosure

VVV 000012458



RECEIVED

MAR 16 '84

Environmental Health Group

Continental Technical Services

A facility of The Continental Insurance Companies
9742 Skillman
Dallas, TX 75243
(214) 343-2025

March 13, 1984

Route: _____

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Mr. Tom Grumble, Industrial Hygienist
Conoco Chemicals
P. O. Box 19029
Houston, TX 77224

Dear Tom:

Enclosed find our fee schedule as you requested, and our quote for performing lead analysis on air samples.

You mentioned a total of 100 - 120 samples per year at the rate of 8 to 10 per month.

CTEK will provide all sampling media and perform the above analysis for a fee of \$20.00 per sample and a two week turn-around time.

If there are any questions, please call me at 800-443-CTEK.

Thank you for the opportunity to serve you, and I look forward to seeing you again at the next Gulf Coast AIHA meeting.

Sincerely,

Virgil Doty
Sr. Account Executive

VD:m1

Enclosure

INDUSTRIAL HYGIENE CONSULTANTS/LABORATORY SERVICES

Livingston, NJ • Chicago, IL • Dallas, TX
Newport Beach, CA • San Francisco, CA

VVV 000012459



Environmental
Health Group



VVV 000012460

NPDES Form 2C (Priority Pollutants) (Continued)

Part B

Bromide	30
Chlorine	11
Color	11
Fecal Coliform	25
Nitrate/Nitrite (as N)	20
Total Organic Nitrogen	25
Oil & Grease (Soxhlet Extraction)	30
Phosphorus	20
Radioactivity:	
Alpha	35
Beta	35
Sulfate (as SO ₄)	15
Sulfide (as S)	15
Surfactants	30
(10) metals	120

Part C

Volatiles (Purge & Trap)	GC/MS	\$200
Base Neutrals	GC/MS	280
Acid Extractables	GC/MS	250
Pesticides/PCB's	GC/MS	200
Metals, Cyanides & Phenols	—	180
Asbestos (electra) micro- scope	—	100
	—	—

Complete priority pollutant

Part C analyses \$1,100

Other GC/MS Analysis \$175/hr

Plus \$150 sample preparation

RCRA Hazardous Waste

Parameter	Fee
Corrosivity—pH	\$ 8
Corrosivity—NACE	100
Ignitability	25
Reactivity	50
EP Toxicity:	
Metals	130
Pesticides	200
Leachate Extraction (Sludge)	70

Field Consultation Fees

Environmental Specialists and Industrial Hygienists can be provided for on-site consultation at a rate of \$480 per day, plus reasonable travel expenses.

Equipment Rentals

MSA Pump	\$ 25/wk
Low-Flow Pump	\$ 30/wk
Pump Calibration Equipment	\$ 10/wk
Dupont Dosimeter	\$ 45/wk
Dupont Dosimeter Readout	\$ 30/wk
(1) Metrosonic Dosimeter-Model db-301	\$ 65/wk
(4) Metrosonic Dosimeters db-301	\$200/wk
Metrosonic Computer Readout	\$100/wk
Sound Level Meter	\$ 30/wk
B&K Octave Band Analyzer- Model 2209	\$175/wk
MiniCO Carbon Monoxide Meter-Model 100	\$ 30/wk
Carbon Monoxide Meter	
Field Calibration Equipment	\$ 10/wk
Century Portable GC	\$250/wk
Mercury Meter	\$100/wk
TDI-MDI Personal Sampling Meter & Readout	\$200/wk
Anderson Hi-Vol Ambient Air Pollution Equipment	\$ 75/wk
Bendix Electronic WBGT Meter	\$ 80/wk
Halide Meter	\$100/wk
Microwave Oven Survey Meter	\$ 35/wk
Gamma — X-Ray Dosimeters	\$ 35/wk

\$50.00 minimum charge on all rentals.

Fee Schedule

*Effective date: June 1, 1982

**Continental Technical Services**

A facility of The Continental Insurance Companies

9742 Skillman, Dallas, Texas 75243 • (214) 343-2025

**Laboratory Analysis,
Field Consultation and
Equipment Rental Fees*****Laboratory Services****Organic Solvent and Vapor**

	Fee	
Charcoal Tube Analysis per Standard NIOSH GC Method (Fee includes separate analysis of A and B)	\$28	for 1st analysis per tube
	\$14	for each additional analysis per tube
Organic Vapor Monitor Analysis per Standard NIOSH GC Method	\$35	for 1st analysis per badge
	\$14	for each additional analysis
Non-Standard Analysis	\$55/hr.	

All of the above Analyses include cost of sample media. Lost, damaged, or non-returned samples will be invoiced at cost.

Organic Determination

	Method	Fee
Aldehydes (C ₂ -C ₆)	GC Analysis	\$45
Benzene Solubles (Coal Tar Pitch Volatiles)	Gravimetric	\$30
Formaldehyde	Colorimetric	\$20
Polynuclear Aromatic Hydrocarbons	HPLC	\$45
Each additional constituent		\$25
Oil Mist	IR	\$40
Oil Mist	GRAV	\$20
PCB	GC	\$65
Isocyanates (TDI, MDI, HDI, PAPI)	HPLC	\$60
Amines (Organic)	GC	\$28
MOCA	HPLC	\$55
Pesticides		\$65
Each additional constituent		\$40
Ethylene Oxide	GC	\$35

Metals

	Fee	
Atomic Absorption Spectrometry:		
Analysis: Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Selenium, Tin, Zinc, Titanium	\$23	for 1st element per filter
	\$12	for each additional element per filter
Arsenic, Beryllium, Cadmium, Lead (Graphite Furnace), Mercury (Cold Vapor), Vanadium	\$40	per element
Additional metals on request	\$55	per hour

All above Analyses include cost of sample media.

Inorganic Determination

Analysis	Method	Fee
Ammonia	Colorimetric	\$20
Chloride	Specific Ion	\$20
Chlorine	Colorimetric	\$20
Chromium (VI)	Colorimetric	\$20
Cyanides	Specific Ion	\$20
Fluorides	Specific Ion	\$20
Nitrates	Colorimetric	\$25
Nitrogen Dioxide	Colorimetric	\$25
Ozone	Colorimetric	\$30
Sulfur Oxides	Colorimetric	\$25
Sulfuric Acid	Colorimetric	\$25
Hydrogen Sulfide	Colorimetric	\$25

Additional inorganic analyses on request \$45 per hour

Absorbing Solution provided at cost

Particulates, Fibers and Free Silica

Filters and Bulk Samples	Fee
Total or Respirable Dust (Cassette and Filter Furnished)	\$ 8
Asbestos:	
Filters (Phase Contrast Microscopy)	\$25
Bulk (X-Ray Diffraction & Polarized Microscopy)	\$55
Free Silica:	
Filters (X-Ray Diffraction)	\$50
Bulk (X-Ray Diffraction)	\$55
Particle Sizing (Filters)	\$35

Biological Materials

Urine and Blood Analysis

Urine	Fee	Blood	Fee
Antimony	\$25	Lead	\$25
Arsenic	\$40	Arsenic	\$40
Beryllium	\$25	Cadmium	\$25
Cadmium	\$25		
Lead	\$20		
Mercury	\$25		
Selenium	\$25		
Zinc	\$25		

Vacutainers and sample bottles included in cost of Analysis.

NPDES Form 2C (Priority Pollutants)

Part A	Fee
BOD	\$20
COD	20
TOC	25
Total Suspended Solids	10
Ammonia (as N)	15
pH	8

Continued

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