

May 16, 1994



5008.J11

Mr. Ken Kunaniec Air Quality Engineering Manager Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109

Re: Permit to Operate No. 11804

Plant No. 9081 Source No. 1

Location: 1310 14th Street

Oakland, California

Dear Mr. Kunaniec:

Park Environmental Corporation (Park) has been retained by Nestle USA, Inc. (Nestle) to perform the petroleum hydrocarbon vapor extraction remediation at their facility at the above referenced location. Park has been operating the system following the guidelines set forth in the above referenced Permit to Operate (enclosed).

Park began operation of the first 600 cfm thermal oxidation (therm-ox) system on January 1, 1994 and shut the system down on January 6, 1994 due to mechanical difficulties. Park decided at that time to remove that 600 cfm therm-ox and replace it with a different unit. On February 9, 1994 the therm-ox system that is currently operating was started. On February 17, 1994 system influent and effluent vapor samples were collected in Tedlar bags in the presence of Mr. Jorge Franco with the BAAQMD.

The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA methods 8015 modified and 8020, respectively (sample results enclosed).

Based on the analytical results, system modifications were made to reduce outlet emissions. After the oxidizing bed was repacked, additional vapor samples were collected on April 13 and April 27, 1994 and submitted to the California State certified laboratory and analyzed for TPHg and BTEX (enclosed).

Park has prepared emission discharge calculations based on the three effluent sample analytical results from the above mentioned sample dates. The emission discharge calculations were based on the following formula:

Mr. Ken Kunaniec May 16, 1994 Page Two

Vapor Recovery Rate Formula

 V_r (lb./hr.) = (V_c) (Q) (2.24 x 10⁻⁷)

where:

 V_r = vapor recovery rate (lb./hr.)

 V_c = vapor concentration (ppmv as gasoline)

86.18 = assumed average molecular weight by vapor (lb./lb. -mole)

Q = venting rate (SCF/hr.)

Please note that at no time was the therm-ox emitting greater than 0.6 pounds per day of benzene as specified under Condition #10420 Point 3 of the Permit to Operate.

Based on the analytical results for the vapor samples collected on April 27, 1994, Park has adjusted the influent concentrations to the remediation system to less than 3,000 ppmv as gasoline.

If you have any questions regarding this letter or the data enclosed, please contact us at our Rocklin office at 916/652-3861.

Sincerely,

Park Environmental Corporation

Peter Frank, R.E.A. Project Geologist

PF:laa Enclosures

cc:

Mr. Binayak Acharya, Nestle USA, Inc.

Ms. Jennifer Eberle, Alameda County Health Care Services

Discharge Calculations for February 17, 1994

Total Petroleum Hydrocarbons (TPH)

 $V_{r}(lb./hr) = (150 \text{ ppmv}) (440 \text{ cfm x } 60 \text{ minutes}) (2.24 \text{ x } 10^{-7})$

3,960,000 x 0.000000224

 $V_r = 3,960,000 \times 0.0$ $V_r = 0.88704 \text{ lb./hr.}$ $V_r = 21.28 \text{ lb./day}$

Benzene

 $V_{r}(lb.hr.) = (2.3 \text{ ppmv}) (440 \text{ cfm x } 60 \text{ minutes}) (2.24 \text{ x } 10^{-7})$

60,720 x 0.000000224

0.013

0.326 lb./day

The maximum TPH discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 21.28 lb./day.

The maximum benzene discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 0.326 lb./day.

Discharge Calculations for April 13, 1994

Total Petroleum Hydrocarbons (TPH)

 V_r (lb./hr.) = (42 ppmv) (440 cfm x 60 minutes) (2.24 x 10^{-7})

 $V_r = 1,108,800 \times 0.000000224$ $V_r = 0.24837 \text{ lb./hr.}$ $V_r = 5.96 \text{ lb./day}$

Benzene

 V_r (lb./hr.) = (1.7 ppmv) (440 cfm x 60 minutes) (2.24 x 10⁻⁷)

44,880 x 0.000000224 V,

 $V_r = 0.0100 \text{ lb./hr.}$ $V_r = 0.241 \text{ lb./day}$

The TPH discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 5.96 lb./day.

The benzene discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 0.241 lb./day.

Discharge Calculations for April 27, 1994

Total Petroleum Hydrocarbons (TPH)

 V_r (lb./hr.) = (78 ppmv) (440 cfm x 60 minutes) (2.24 x 10^{-7})

2,059,200 x. 0.000000224

 $V_r = 2,059,200 \text{ x. } 0.00 \text{ V}_r = 0.46126 \text{ lb./hr.}$ $V_r = 11.07 \text{ lb./day}$

Benzene

 V_r (lb./hr.) = (2.5 ppmv) (440 cfm x 60 minutes) (2.24 x 10⁻⁷)

 $V_r = 52,800 \times 0.000000224$ $V_r = 0.01182 \text{ lb./hr.}$ $V_r = 0.283 \text{ lb./day}$

The maximum TPH discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 11.07 lb./day.

The benzene discharge for the 600 cfm Thermal Oxidation Vapor Extraction System operating at 440 cfm was 0.212 lb./day.

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BAY AREA AIR QUALITY MANAGEMENT DISTRICT

November 24, 1993



Peter Frank
Park Environmental Corp.
2140 Professional Drive, Suite 130
Roseville, CA 95661

Application Number: 11804 Equipment Location: 1310 14th St. Oakland, CA

Gentlemen:

Attached is your Permit to Operate the following:

S-1 Soil Vapor Extraction System consisting of a 600 cfm max capacity vacuum blower, and ancillary equipment, abated by A-1, Retox 600 regenerative Thermal Oxidizer, 600 cfm

All Permits should be posted in a clearly visible and accessible place on or near the equipment to be operated, or kept available for inspection at any time.

Operation of this equipment in violation of District Regulations or any permit conditions is subject to penalty action.

In the absence of specific permit conditions to the contrary, the throughputs, fuel and material consumptions, capacities and hours of operation described in your permit application will be considered maximum allowable limits. A new permit will be required before any increase in these parameters, or change in raw material handled may be made.

Please include your permit number with any correspondence with the District. If you have any questions on this matter, please call Robert E. Cave, at (415) 749-5114.

Very truly yours,

Milton Feldstein Air Pollution Control Officer

Permit Services Division

JAS:REC:sap Attachments

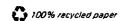


BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE No.11804 PLANT No._ 9081 SOURCE No._ 1 Park Environmental Corporation IS HEREBY GRANTED A PERMIT TO OPERATE THE FOLLOWING EQUIPMENT: Soil Vapor Extraction System consisting of a 600 cfm max capacity vacuum blower, and ancillary equipment, abated by A-1, Retox 600 Regenerative Thermal Oxidizer, 600 cfm 1310 14th Street LOCATED AT:____ Oakland, CA (All permit conditions must be complied with at all times *) **CONDITIONS:** If YES, See Attached Condition No. 10420 MILTON FELDSTEIN AIR POLLUTION CONTROL OFFICER November 24, 1993 Date November 24, 1994 **EXPIRATION DATE**

THIS PERMIT DOES NOT AUTHORIZE ANY VIOLATION OF THE RULES AND REGULATIONS OF THE BAAQMD OR THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA. THIS PERMIT IS NOT TRANSFERABLE TO ANOTHER PERSON WITHOUT APPROVAL FROM THE DISTRICT.

^{*} Compliance with conditions contained in this permit does not mean that the permittee is currently in compliance with District Rules and Regulations. It is the responsibility of the permittee to have knowledge of and be in compliance with all District Rules and Regulations.



- 1. Precursor Organic Compound (POC) emissions from Source S-1 shall be abated by either Abatement device A-1, Thermal Oxidizer during all periods of operation.
- 2. The POC destruction efficiency of Abatement device A-1 shall be maintained at a minimum of 98.5% by weight for inlet POC concentrations greater than or equal to 3000 ppmv (measured as C1). For inlet concentrations below 3000 ppmv and greater than or equal to 1000 ppmv, a minimum destruction efficiency of 97% shall be maintained. For inlet concentrations below 1000 ppmv, a minimum destruction efficiency of 90% shall be maintained. The minimum destruction efficiency of 90% shall be maintained. The minimum destruction efficiency of 90% shall be waived if total emissions from the operation are less than 1 pound per day POC and benzene emissions are less than 0.02 pounds per day.
- 3. A-1 shall be properly maintained and kept in good operating condition at all times. Benzene emissions shall not exceed 0.6 pounds per day. The minimum operating temperature of A-1 shall not be less than 1400 degrees Fahrenheit.
- 4. To determine compliance with Condition Number 3, A-1 shall be equipped with continuous measuring and temperature recording instrumentation consisting of at least 1 temperature probe in A-1 and at least one recording device, which will continuously record temperature.
- 5. The measuring and recording instrumentation to be installed and the specific placement within A-1 in condition number 4, is subject to the prior approval of the Source Test Section of the District Technical Division.
- 6. The temperature data collected from the temperature recorder shall be maintained in a file which shall be available for District inspection for a period of at least 2 years following the date on which such data are recorded.
- 7. Within ten days of startup, the operator of this source, shall conduct an efficiency test to determine the weight percent reduction of Precursor Organic Compound (POC) emissions through A-1, as well as the Benzene emission rate. As part of this test the POC inlet and outlet concentrations of A-1, and the benzene outlet concentration shall be determined. These results shall be used to calculate the POC destruction efficiency and the Benzene emission rate in pounds per day. All test results and calculations shall be provided to the District within 30 days after testing has occurred. All source test methods used shall be subject to the prior approval of the Source Test Section of the District Technical Division.
- 8. The operator of this source shall maintain the following records for each day of operation of the source:
 - a. Hours and time of operation.
 - b. Each emission test, analysis or monitoring results logged in for the day of operation they were taken.

Such records shall be retained and made available for inspection by the District for two years following the

- 9. Any exceedance of conditions number 2 and/or 3 shall be reported to the Permits Division with the log as well as the corrective action taken. In addition, an exceedance of conditions number 2 and/or 3 shall be submitted to the District Enforcement Section at the time it occurs. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence.
- 10. Upon final completion of the remediation project, the operator of Source S-1 shall notify the district within two weeks of decommissioning the operation.



RECEIVED MAR 0 1 1994

Ans'd.....

Date: February 22,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, CA 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J8

Client Project Name:

N/A

Date Sampled:

Feb-17-94

Date Samples Received: Sierra Project Number: Feb-18-94 SP-979-94

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra in a chilled state, intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

laboratory's name for advertising or publicity purposes is strictly prohibited.

Approved

The contents of this report pertain only to the samples investigated and do not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Unauthorized reproduction of this report or use of this

Sample Analysis:	8015-Modified (TP) and EPA 8020 (BT)	H as Gasoline-CADHS I	LUFT)	Report Date:	.02/22/94
Sample Preparation:	EPA Method 5030		•		
		N/A		Analyst:	DM
		Client Project:	2	Date Analyzed:	.02/18/94
Rocklin, CA 95677		Client Project No.	5008-J8	Date Prepared:	.02/18/94
4231 Pacific Street, S	Suite 7	Sierra Project No.	SP-979-94	Date Received:	.02/18/94
Park Environmental Corporation		Sierra Client No.	10000-92	Date Sampled:	.02/17/94

Sample Type: Vapor

Client Sample I.D.	TP	трн		Benzene		uene	Ethy	lbenzene	Xylenes, Total		
	μg/l	ppm (v/v)	μg/l	ppm (v/v)							
INF-1-P	990	240	14	4.4	30	8.0	8.2	1.9	54	12	
EFF-1-P	600	150	7.3	2.3	19	5.0	5.2	1.2	33	7.6	

	TI	PH	Benzene		Tolt	iene	Ethy	lbenzene	Xylenes, Total		
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	μg/l ppm (v/v)		ppm (v/v)	
Detection Limit:	100	24	1	0.31	1	0.27	1	0.23	1	0.23	

Park Environmental Corporation Sierra Client No. 10000-92 Date Sampled: .02/17/94 4231 Pacific Street, Suite 7 SP-979-94 Date Received: .02/18/94 Sierra Project No. Rocklin, CA 95677 Client Project No. 5008-J8 Date Prepared: .02/18/94 ,02/18/94 Client Project: Date Analyzed: N/A Report Date: .02/22/94

Sample Duplicate Report

Client Sample I.D.

VES-INF (SP-980-94)

Relative Percent

Parameter Analysis Type Difference

TPH as Gasoline EPA 8015-M 5

Compound Analysis Type Relative Percent

Difference

 Benzene
 EPA 8020 (BTEX)
 0

 Toluene
 EPA 8020 (BTEX)
 10

 Ethylbenzene
 EPA 8020 (BTEX)
 0

 Xylenes (Total)
 EPA 8020 (BTEX)
 7

Quality Control Reference Number: G001-021894-G1B00032-017-018

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, CA 95677	Sierra Client No. Sierra Project No. Client Project No.	10000-92 SP-979-94 5008-J8	Date Sampled: Date Received: Date Prepared:	.02/17/94 .02/18/94 .02/18/94
	Client Project: N/A	•	Date Analyzed:	.02/18/94
•			Report Date:	.02/22/94

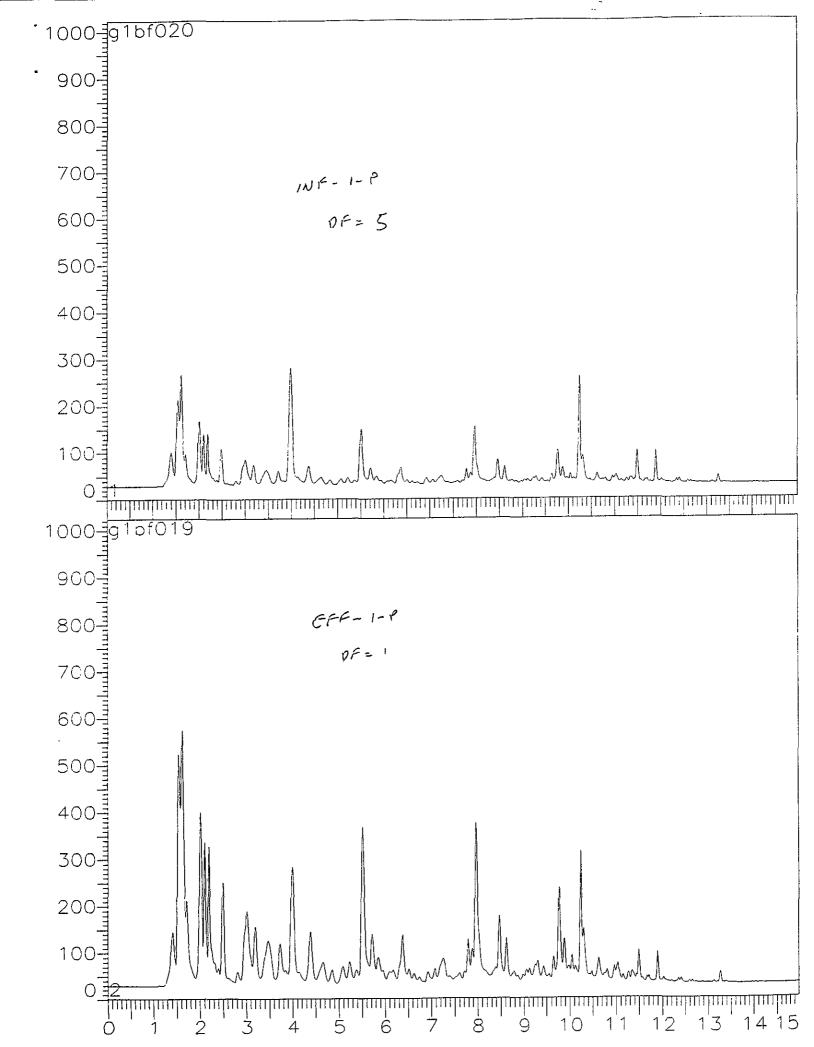
Surrogate Summary Report

Client Sample I.D.	ent Sample I.D. Analysis Type			
		<u>S1</u>	(Range)	
INF-1-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	95	(50-130)	
EFF-1-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	95	(50-130)	

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	.02/17/94
4231 Pacific Street, Suite 7	Sierra Project No.	SP-979-94	Date Received:	.02/18/94
Rocklin, CA 95677	Client Project No.	5008-J8	Date Prepared:	.02/18/94
•	Client Project:		Date Analyzed:	.02/18/94
•	N/A			
,	· · ·		Panant Datas	02/22/04
•		`	Report Date:	.02/22/94

Laboratory Control Sample Report

Parameter	Analysis Type	Per-cent R	ecovery			
		<u>%</u>	Range			
TPH as Gasoline	EPA 8015-M	90	(50-150)			
	Quality Control Reference Number:	G001-021894-G1B00032-015				
Compound	Analysis Type	Per-cent Recovery				
		<u>%</u>	Range			
Benzene	EPA 8020 (BTEX)	95	(28-167)			
Toluene	EPA 8020 (BTEX)	97	(41-138)			
Ethylbenzene	EPA 8020 (BTEX)	94	(38-150)			
Xylenes (Total)	EPA 8020 (BTEX)	97	(35-146)			
	Quality Control Reference Number:	G001-021894-G1B00032-015				



SIERRA LABORATORIES

CHAIN OF CUSTODY RECORD

Nº 1000814

Date: 2/17/94	Page of
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TEL: 714 • 758 • 9988

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AX:	714 •	758 • 9692			

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Client: Park Envir Client Address: 4231 Par Rocklin, Ca	cific Stre	d Suite	7	5008	81		UFT)	Ę			(spared)		, , , ,					
Roddin, Ca	95677						DHS L PHS L	S LUF			Halog		Cark					
	<u></u>			Turn Around Time Requested:	Immedia Rush 24		8015 Modified (TPH as Gaoline - CADHS LUFT) and EPA 8020 (Animeter Volautes - BTEX) in Sens 8015-Modified (TPH as Gaoline - CADHS LUPT)	8015 Modders (TPH as Denel CADHS LUFT)	ME	ફ	A COME		[29A billow EPA 742] (Cunk wir					
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Client Fax No.: 916-652	-4195				Normal		THE SECTION	돌	14 75	A. Hal	Volum	ş.	10110	ADHS				
Client Proj. Mgr.: Percer	Chient Tel. No.: 916-652-3861 Chient Fax No.: 916-652-4195 Chient Proj. Mgr.: Peter Frank					Mobile			EPA 8020 (Volunt Atumates BTEX)	EPA 8010 (Volstije Halogenateds)	EPA 8010/8020 (Voladie Atomale) & Hilogenileds			Organa Lead (CADHS LUFT)				
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Client Sample No.	Date	Time	Matrix	Preservatives	Type	Containers		- 2		-	-	<u> </u>		6			-	Comments
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極 EFC-I-P	2/17/94	1:30 PM	Vapor	None	Todlar	2	X	_		\perp	-	-	-			-		
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Retinquished By:		Date	Received By:		Date:		-{											
Сотрапу:		Time.	Company:		Time:		FORT	AROI	RATO	RYUS	Rece E ONL			eceipt (Conditio	ons:		<u> </u>
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RECEIVED MAY 1 3 1994

Date: April 15,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, CA 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J9

Client Project Name:

N/A

Date Sampled:

Арг-13-94

Date Samples Received:

Apr-15-94

Sierra Project Number:

SP-1072-94

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

Approved

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laboratory's name for advertising or publicity purposes is strictly prohibited.

Sample Analysis:	8015-Modified (TI and EPA-8020 (BT	PH as Gasoline-CADHS I	JUFT)	Report Date:	.04/15/94
Sample Preparation:	EPA Method 5030				
•		N/A		Analyst:	DM
•		Client Project:		Date Analyzed:	.04/15/94
Rocklin, CA 95677	•	Client Project No.	5008-19	Date Prepared:	.04/15/94
4231 Pacific Street, S	Suite 7	Sierra Project No.	SP-1072-94	Date Received:	.04/15/94
Park Environmental Corporation		Sierra Client No.	10000-92	Date Sampled:	.04/13/94

Sample Type: Vapor

Client Sample I.D.	ТРН		Benzene		Tol	uene	Ethy	lbenzene	Xylenes, Total		
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/i	ppm (v/v)	μg/l	ppm (v/v)	
Influent-2-P	2300	560	74	23	130	34	25	5.8	150	34	
Effluent-2-P	170	42	5.5	1.7	10	2.7	2.2	0.51	13	3.0	

	TPF	ł	Benz	zene	Tolu	iene	Ethy	lbenzene	Xyle	nes, Total
	μg/l	ppm (v/v)								
Detection Limit:	100	24	I	0.31	1	0.27	1	0.23	į	0.23

Park Environmental Corporation Date Sampled: .04/13/94 · Sierra Client No. 10000-92 4231 Pacific Street, Suite 7 Date Received: .04/15/94 Sierra Project No. SP-1072-94 Rocklin, CA 95677 Client Project No. 5006-J2 Date Prepared: .04/15/94 Client Project: Date Analyzed: .04/15/94 Analyst: DM N/A Report Date: .04/15/94

Sample Duplicate Report

Client Sample I.D.

Xylenes (Total)

INF-VES (SP-1069-94)

Parameter Analysis Type Relative Percent
Difference

TPH as Gasoline EPA 8015-M 2

EPA 8020 (BTEX)

Compound Analysis Type Relative Percent
Difference

Benzene EPA 8020 (BTEX) 0
Toluene EPA 8020 (BTEX) 5
Ethylbenzene EPA 8020 (BTEX) 10

Quality Control Reference Number: G001-041594-G1B00035-167-168

Park Environmental Corporation 10000-92 Date Sampled: .04/13/94 Sierra Client No. 4231 Pacific Street, Suite 7 Sierra Project No. SP-1072-94 Date Received: .04/15/94 Date Prepared: Rocklin, CA 95677 Client Project No. 5006-12 .04/15/94 Client Project: Date Analyzed: .04/15/94 Analyst: DM N/A Report Date: .04/15/94

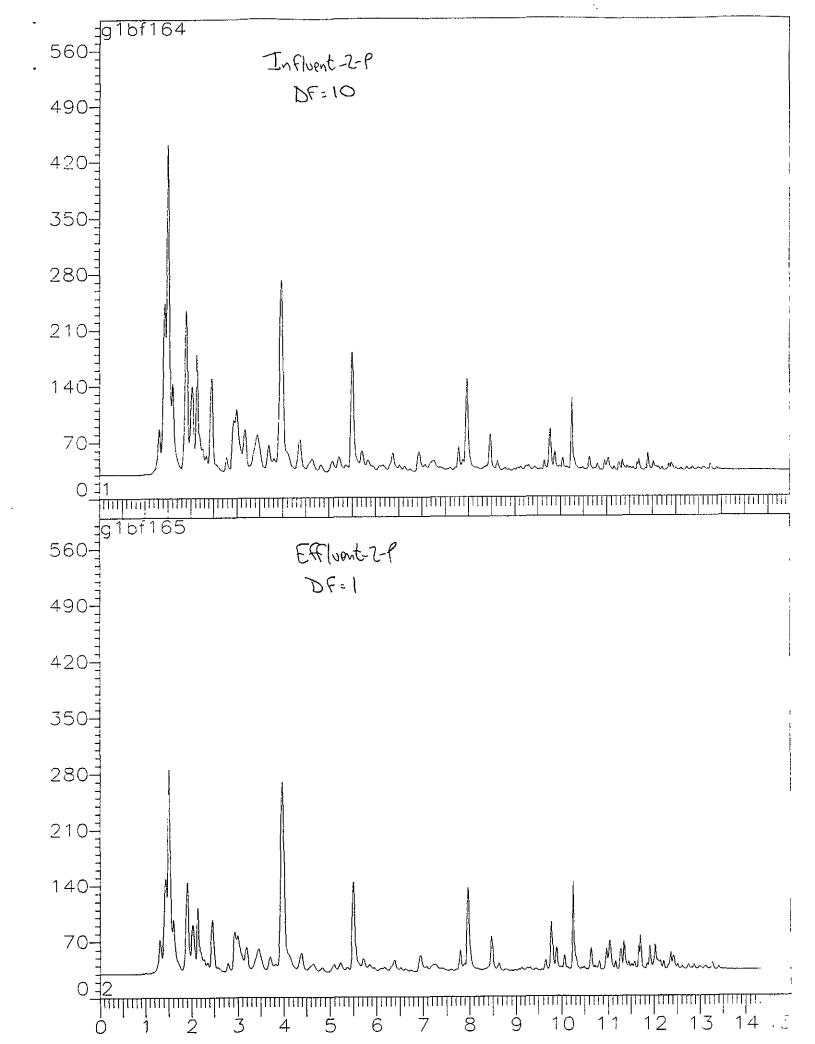
Surrogate Summary Report

Client Sample LD.	Analysis Type	Per-ces	at Recovery
		<u>S1</u>	(Range)
Influent-2-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	101	(50-130)
Effluent-2-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	98	(50-130)

Park Environmental Corporation Sierra Client No. 10000-92 Date Sampled: .04/13/94 4231 Pacific Street, Suite 7 Date Received: .04/15/94 Sierra Project No. SP-1072-94 Rocklin, CA 95677 Client Project No. 5006-J2 Date Prepared: .04/15/94 Client Project: Date Analyzed: .04/15/94 N/A Analyst: DM Report Date: .04/15/94

Laboratory Control Sample Report

Parameter	Analysis Type	Per-cent R	ecovery
-		%	Range
TPH as Gasoline	EPA 8015-M	94	(50-150)
	Quality Control Reference Number:	G001-0415	94-G1B00035-160
Compound	Analysis Type	Per-cent R	ecovery
		<u>%</u>	Range
Benzene	EPA 8020 (BTEX)	103	(28-167)
Toluene	EPA 8020 (BTEX)	104	(41-138)
Ethylbenzene	EPA 8020 (BTEX)	103	(38-150)
Xylenes (Total)	EPA 8020 (BTEX)	104	(35-146)
	Quality Control Reference Number:	G001-0415	94-G1B00035-160



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Nº 1000810

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FAX: 714 • 758 • 9692

1525 Endeavour Place • Suite D • Anaheim, CA • 92801

Date: 4/13/94 Page | of |
59-1072-94
Lab Project No. 59-1072-94

Client: Park Environmental Client Address: 4231 Pacific Stree:		Client Proj. Numb	per/Proj. Nam	e:			A	nal	yses	Rec	ues	ted				
Client Address: 4231 Pacific Stree- Rocklyn, Ca 956	t. Suite	5009	3-19		CADHS LUFT; 8TEX) in Senes	(LAPT)	MT,		(a)		catte t					
		Turn Around Time Requested:	: Domedia	ele Atlention	Modúres (TPH as Gasolus CADHS LUFT) PA 8020 (Annauc Volaules BTEX) in Sen	CADAS	8013 Moduled (TPH as Deck). CADHS LUFT	3	genateds)		7331 (Cuck					
Chent Tel No. 916-657-3861	<u>,</u>		Rush 24		8015-Modified (TPH as Garoline I and EPA 8020 (Aminaute Volatiles	nolux	K CA	EPA 8020 (Volume Aromates - BTEX)	naleds)		EPA 743	Ē				
Client Tel. No.: 916 - 652 - 3861 Client Fax No.: 916 - 652 - 4195			Normal	- 70 BOUTS	PH as G	5	Ž H	e Arom	EPA 8010 (Voluide Halogenaieds)		수단소 5이 이 너 돈.P.A.	Organic Lead (CADHS LUIT)	İ			
Client Proj. Mgr.: Peter Frank			Mobile		Dres (T)	E) page	E) Paip	(Volve)	Colato V	(TRPH		5) %				
			Container	No. of	15-Mod	S K	IS Med	¥ 803¢	EPA 8010 Votatile Halo	EPA 418 1 (TRPH)	اسما لدما	Same Le	1	Ì		_
	Time Ma	atrix Preservatives None	Tedlar	Containers	1	-	•	12	1 1	1 1	=	5		-	+	Comments
Influent - 1 - P 4/13/94 Effluent - 1 - P 4/13/94	Var		Tedlar	1	1	4					<u> </u>	-	-			
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Sampler Signature: Haward Hold	Shipped	m via: Arborne Expre	'S.S			\sim		-	To	al Nur	nber	of Co	ntain	iers		Sample Disposal:
company: Park Environmental	(Carrie	ier/Waybill No.) 11\758				2			Sul	mitte	l to L	abora	tory			Return to Client
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Company: Part Environmental 2:3	3/7 <i>PM</i> \	any Signal LAS		1000						ipon in wr						Archive mos
Relinquished By: Date:			Date:						To	al Nu	nber	of Co	ntair	ners		Other
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Date: May 17,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, California 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J9

Client Project Name:

N/A

Date Sampled:

Арг-27-94

Date Samples Received: Sierra Project Number: Арг-29-94

nema i rojeci rvamber.

9404-114

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

Subard & Frogth Approved

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Park Environmental	Corporation	Slerra Client No.	10000-92	Date Sampled:	.04/27/9
4231 Pacific Street, St	uite 7	Sierra Project No.	9404-114	Date Received:	.04/29/9
Rocklin, California 9:		Client Project No.	≥, 5008-J9	Date Prepared:	.05/02/9
		Cilent Project:		Date Analyzed:	.05/02/9
Sample Preparation: Sample Analysis:	EPA Method 5030 8015-Modified (TP and EPA 8020 (BT	H as Gasoline-CADHS	LUFT)	Report Date:	.05/17/9

Sample Type: Vapor

Client Sample I.D.	TPH		Ben:	zene	Tolu	iene	Ethy	lbenzene	Xyler	ies, Total
-	μg/l j	ppm (v/v)	μg/]	ppm (v/v)	μg/I	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)
Influent-3-P	13000	3100	160	52	310	83	27	6	250	56
EMuent-3-P	300	73	5	2	7	2	ND	ND	7	2

	TPH		Benz	zene	Toli	1ene	Ethy	lbenzene	Xyler	ies, Total
	μg/i	ppm (v/v)	μg/l	ppm (v/v)	цgЛ	ppm (v/v)	μg/l	ppm (v/v)	µg∕І	ppm (v/v)
Detection Limit:	100	24	1	0.31	1	0.27	1	0.23	1	0.23

Sierra Client No. Date Sampled: .04/27/94 10000-92 Park Environmental Corporation .04/29/94 Date Received: 4231 Pacific Street, Suite 7 9404-114 Sierra Project No. ,05/02/94 Client Project No. 5008-J9 Date Prepared: Rocklin, California 95677 .05/02/94 Date Analyzed: Client Project: N/A Report Date: ್ತೆ.05/17/94

Surrogate Summary Report

Client Sample L.D.	Analysis Type	Per-cer	nt Recovery
	——————————————————————————————————————	<u>S1</u>	(Range)
Influent-3-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	160	(90-160)
Effluent-3-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	130	(90-160)

'94 09:22 MACDONALD STEPHENS

SIERRA LABORATORIES THL: 714 • 758 • 9988 FAX: 714 • 758 • 9692 1525 Endeavour Place • Suite D • Anahelm, CA • 92801

CHAIN OF CUSTODY RECORD

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maries & Nales		140) (OK.)				SONT TO
EPA 8010/8/120 (Valuate Aparente A Halegoria	(d+1)	EDE MITTOLE HOTO 749) (Classe men	(Calibra 22)			
EPA NOIONEGA	EPA 475.1 (TICH)	Total bear El	Openie Lang			Comments
		,				5562

Clime: Peur & Envir	ormental			Client Proj. Nun	ber Proj. Nam	n,			Aı	aly	ses	Req	ues	ted				•
Climadum 4231 Pa Rockli	ucific Sta	ect <u>Sul</u> 5671	te7	Chient Proj. Num	208-39	4	C.S.		Τ.		Q.							5017 70
Chrat Fee No.: 916-6. Chrat Fee No.: 916-6. Chrat Frej. May.: Policy	 	 .		Tura Around Tin Requested:	Re images Red 24 Red 25 Red 27 Red 27 Red 27	-48 haces	(Arvende Votable - CATHS LUPT)		107 to 707 to 107 to 10	1	St. 8010 St. Compt. Assessing & Milestone	/ha	EPERNIONERON NO CONTEN	(Calbertape)				SONT TO TUESOOK
'Client Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	Strike Madelled and Strike Strike		2 20 1611 \ Abdamas 100	TO SOLO VOLUME	EPA BOLONIA	EA (19.1 (TUPH)	Total Lene E	Organic Land	/	1	-	Comments
Influent-3-P	14/27/41		Vapor	None	Tedlar	2						7	Π					5562
Effluent-3-P	4/27/94		Vapor	None	Tedlar	2_	1			-	1	-	1				\dashv	5563
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Bataquistad By Howard Hot Company Part EnvironM	leuto	1/28/44 12:00 PM		BURA		Izala4 Wiootry	E SUPPLIES	madon k	DUID	na fibe a	BLANCE	section 3 a	heire wa	87 E ST C 3	era i T	zoesiiduke Terpe kon Id C3, IS2	a	Late Dispectal
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Artene Confirm# 916	.38				·.			c.e	-2-16									



Date: May 17,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, California 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J9

Client Project Name:

N/A

Date Sampled:

Apr-27-94

Date Samples Received:

Apr-29-94

Sierra Project Number:

9404-114

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

Rukows & Fronth

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Park Environmental 4231 Pacific Street, S		Sierra Client No. Sierra Project No.	10000-92 9404-114	2	Date Sampled: Date Received:	.04/23
Rocklin, California 9	5677	Client Project No.	5008-J9	, k)	Date Prepared:	.05/02
		Client Project:		*	**Date Analyzed:	_, . 05/00
Sample Preparation:	EPA Method 5030	• • • • • • • • • • • • • • • • • • • •	, v.			,
Sample Analysis:	8015-Modified (T	PH as Gasoline-CADHS L	.UFT)	*	Report Date:	.05/17

Sample Type: Vapor

Client Sample I.D.	TPH	Benzene	Toluene	Ethylbenzene	Xylenes, Total
·	µg/l ppm (v/v)	μg/l ppm (v/v)	μg/l ppm (v/v)	μg/l ppm (v/v)	μg/l ppm (v/v)
Influent-3-P	13000 3100	160 52	310 83	27 6	250 56
Effluent-3-P	300 73	5 2	7 2	ND ND	7 2

	TPH		Benzene		Tolı	iene	Ethy	lbenzene	Xylenes, Total	
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)
Detection Limit:	100	24	1	0.31	1	0.27	1	0.23	1	0.23

10000-92 Date Sampled: .04/27/94 Park Environmental Corporation Sierra Client No. .04/29/94 Date Received: 4231 Pacific Street, Suite 7 Sierra Project No. 9404-114 .05/02/94 Client Project No. «5008-J9 Date Prepared: Rocklin, California 95677 .05/02/94 Date Analyzed: Client Project: N/A .05/17/94 Report Date:

Surrogate Summary Report

Client Sample I.D.	Analysis Type	Per-cer	nt Recovery (Range)
Influent-3-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series 8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	160	(90-160)
Effluent-3-P		130	(90-160)

MAY 19 '94 09:22 MACDONALD STEPHENS

SIERRA LABORATORIES

TEL: 714 • 758 • 9988 FAX: 714 • 758 • 9692

CHAIN OF CUSTODY RECORD

Nº 1000817

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ارم صران		
Date: 4/27,94	Page	_d

1525 Bnd	cavour Place	• Suite D • .	Anaheim, CA	• 92801							L	ab Proj	ject No	L; _				
CHOOL: Pearle Enviro	ormental			Client Proj. Nun	pher/Proj. Napa	RE:			Ana	lvse	s Re	ane	sted					
Cheniadom 4231 Pe Rocki	acific Strong	e d Sw ¹ 5671	re7	Chent Proj. Nug	208-74	4	S LUPT)			Ĩ	ŝ	1				7.	56×17 TW30	70
		_		Turn Around Tin Requested:	=	1	CATHE	APAGARA (TTHE as Docume CLANAGE LANTY)	Miller		A H	MIO OF HOTA TOD) (C'EN LE ME				-	THESC	10/C_
Client Tel No: 916-6	52-3861	,		- '	Rush 24	-48 trears -96 hours	1	¥.		1		Q . V	Ē		-	İ		
Client Par No.: 916-65 Client Proj. Mar.: Peter	52-419.5				Named		2 4 8 2 4 8	4	A304	13	Ì .	910	CADHS 13 MT			-		}
Caret Proj. May.: Jefer	Frank.			<u> </u>	☐ Makke		Mulked (TPH) FOLTO (Alberta	E	Ž.	707	5 5	á				Ì		j
Cicut Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	FOLS-HIGH and NOA B	SUIF-MANA	EPA Buzib (Val	87A TOTO (Volume Halvapriance)	EM following (Value): Avenues	Tank Land	Oreme Lan		+	-	Comme	계s
Influent-3-P	4/27/94		Vapor	None	Tedlar	2	1										5562	·
Effluent-3-P	4/27/94	<u> </u>	Vapor	None	Tedlar	2_	1					\					5563	
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RECEIVED MAR 0 1 1994

Ans'd

Date: February 22,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, CA 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J8

Client Project Name:

N/A

Date Sampled:

Feb-17-94

Date Samples Received:

Feb-18-94

Sierra Project Number:

SP-979-94

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra in a chilled state, intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

Approved

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Park Environmenta	I Corporation	Sierra Client No.	10000-92	Date Sampled:	.02/17/94
4231 Pacific Street,	Suite 7	Sierra Project No.	SP-979-94	Date Received:	.02/18/94
Rocklin, CA 95677		Client Project No.	.5008-J8	Date Prepared:	.02/18/94
•	,	- Client Project:	•	Date Analyzed:	.02/18/94
		N/A		Analyst:	DM_
Sample Preparation:	EPA Method 5030)			
Sample Analysis:	8015-Modified (TI	PH as Gasoline-CADHS I	CUFT)	Report Date:	.02/22/94
	and EPA 8020 (BT	TEX) in series		.:	

Sample Type: Vapor

Client Sample I.D.	TP	H	Benzene		Toluene		Ethylbenzene		Xylenes, Total	
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)
INF-1-P	990	240	14	4.4	30	8.0	8.2	1.9	54	12
EFF-1-P	600	150	7,3	2.3	19	5.0	5.2	1.2	33	7.6

	TI	ТРН		Benzene		iene	Ethy	benzene	Xylenes, Total	
	μg/l	ppm (v/v)	μg/l	ppnı (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μ g /l	ppm (v/v)
Detection Limit:	100	24	1	0.31	1	0.27	1	0.23	1	0.23

10000-92 Date Sampled: .02/17/94 Park Environmental Corporation Sierra Client No. 4231 Pacific Street, Suite 7 Sierra Project No. SP-979-94 Date Received: .02/18/94 .02/18/94 5008÷J8 Date Prepared: Rocklin, CA 95677 Client Project No. Date Analyzed: .02/18/94 Client Project: N/A Report Date: .02/22/94

Sample Duplicate Report

Client Sample I.D.

VES-INF (SP-980-94)

Analysis Type **Parameter**

Difference

Relative Percent

TPH as Gasoline

EPA 8015-M

Relative Percent

Difference

5

Compound Analysis Type 0 EPA 8020 (BTEX) Benzene EPA 8020 (BTEX) 10 Toluene EPA 8020 (BTEX) 0 Ethylbenzene EPA 8020 (BTEX) 7 Xylenes (Totai)

Quality Control Reference Number:

G001-021894-G1B00032-017-018

Park Environmental Corport 4231 Pacific Street, Suite 7 Rocklin, CA 95677	ration	Sierra Client No. Sierra Project No. Client Project No.	10000-92 SP-979-94 5008-J8	Date Sampled: Date Received: Date Prepared:	.02/17/94
ROCKINI, CA 93077		Client Project:	i i	Date Analyzed:	.02/18/94
		•		Report Date:	-02/22/94

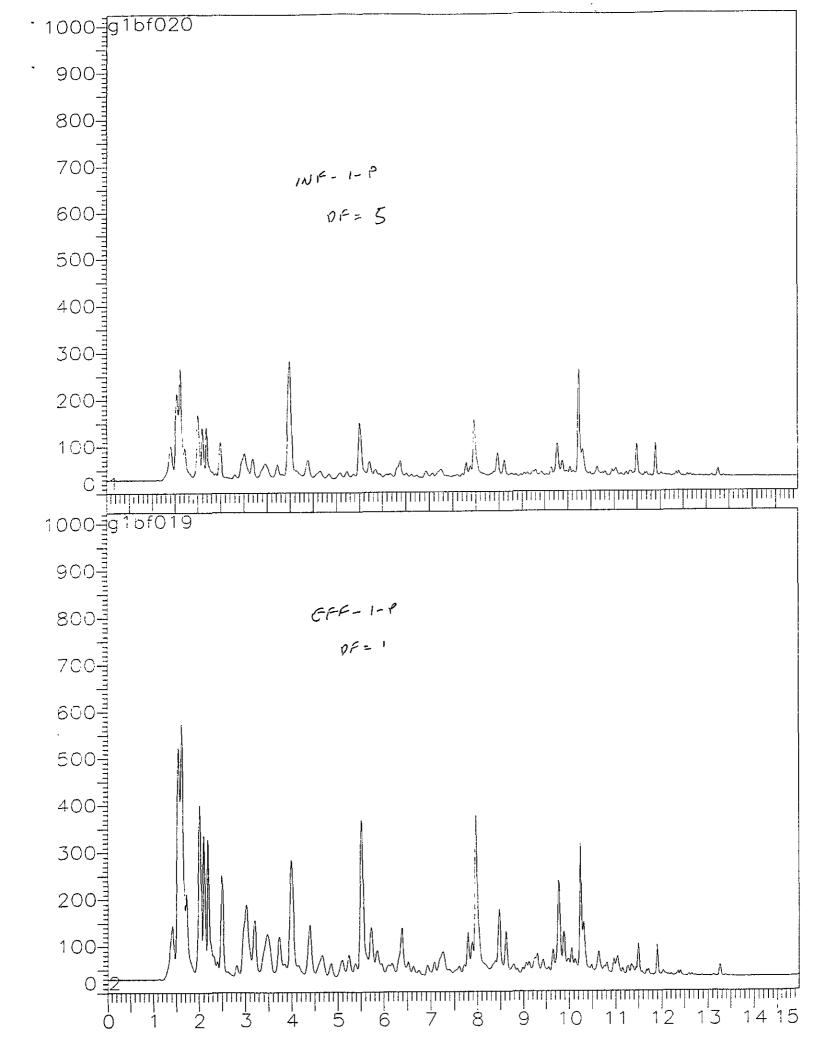
Surrogate Summary Report

Client Sample L.D.	Analysis Type	Per-co	ent Recovery
		<u>S1</u>	(Range)
INF-1-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	95	(50-130)
EFF-1-P	8015-Modified (TPH as Gasotine-CADHS LUFT)/EPA 8020 (BTEX) in series	95	(50-130)

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	.02/17/94
1231 Pacific Street, Suite 7	Sierra Project No.	SP-979-94	Date Received:	.02/18/94
Rocklin, CA 95677	Client Project No.	2008-18	Date Prepared:	.02/18/94
1.0	Client Project:	,	Date Analyzed:	.02/18/94
•	N/A			
	• •		Report Date	.02/22/94
			Report Date:	.03

Laboratory Control Sample Report

Parameter	Analysis Type	Per-cent Re	ecover <u>y</u>				
		<u>%</u>	Range				
TPH as Gasoline	EPA 8015-M	90	(50-150)				
	Quality Control Reference Number:	G001-021894-G1B00032-01					
Compound	Analysis Type	Per-cent Re	ecovery				
		<u>%</u>	Range				
Benzene	EPA 8020 (BTEX)	<u>%</u> 95	Range (28-167)				
Benzene Toluene	EPA 8020 (BTEX) EPA 8020 (BTEX)						
	•	95	(28-167)				
Toluene	EPA 8020 (BTEX)	95 97	(28-167) (41-138)				



SIERRA LABORATORIES

CHAIN OF CUSTODY RECORD

Nº 1000814

_ (- 1
Date: 2/17,94	Page of	

TEL: 714 • 758 • 9988 FAX: 714 • 758 • 9692

1525 Endeavour Place • Suite D • Anaheim, CA • 92801

51-979-94 Lab Project No.:

Client: Produ Envi	Client: Park Environmental				Client Proj. Number/Proj. Name:				Analyses Requested											
Client Address: 423 Pa Roddin, Ca	Wific Stre	ed Suite	า	5008	8-18		X) in Sensi	UPT.			dogenmeds		cle sale)							
				Turn Around Time Requested:	Rush 2		8015 Moduled (TPH as Oasolme CADMS LUFT and EPA 8020 (Animalse Volumes RIEX) in Sensitions According to Capital and Capital an	AND AND AND AND AND AND AND AND AND AND	SUS-Moduled I Transport BTEN	Take (B)	EPA 8010/2020 (Volume Aremans) & Halogen		I Mai Lead 12PA retti vi EPA 7421 I Curle ine	E						
Client Tel. No.: 916-65 Client Fax No.: 916-65	Chient Fex No.: 916-652-3861 Chient Fex No.: 916-652-4195 Chient Proj. Mgr.: Pow Wank			Rush 72-96 bours			8015 Mudded (TPH as Oasolur of BPA 8020 (Animale Volandes	di Har		EPA 8010 (Volume Malogerateds)	(Volume A	PH,	A red in to 1	Lead (CADHS LUFT)						1
Client Proj. Mgr.: Poter Wank				Mobile		3020 (2	To A	0708/01	EPA 418 1 (TRPH)	3	Lead (C							
Client Sample No.	Date	Time	Matrix	Preservatives	Container Type	No. of Containers	Sets M.		See all	EPA 80	EPA 80	EPA 4	10 La La	เลยือ					Comments	
INF-1-P	2/11/94	1:30 PM	Vapor	None	Tedlar	2	\Diamond	-	_	-	-	-	-	-	-					
THE EFE-1-P	2/17/94	1:30 PM	Vapor	Nonc	Todlar					_	-		+		-					
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Sampler Signature. Toward	Hold	1	Shipped Via:	UPS-OVERNIGHT				4				Total Number of Containers					Sample	Disposal:		
Company: Park Environs	nental		(Carrier/Waybill l	1NO) 170 (973 212				,			Submitted to Laboratory the signature on this chain of custody form constitutes							Return to Cli	ent	
Relinquished By: Howard 9	Hed		Received By.		Dale		dba	tion	to nort	forem the	an alvse	iture on the specified upon in w	i above i	unaer 3	IL KK 1	e i er ius		XX	Lab Disposa	I
Company: Park Environme	intal	1m2:30PM	Company: 1	BURA LA	J Time	0855	- 											'-	Archive	mos
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4 Retinquished By:		Date:	Received By.		Date			Chille		~~~	~.		•	•	App	propri	ate San	iple Conta	iner	
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Special Instructions:								Samp	te Şez	dş					Oth	er			·	
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Rev 071693				<u> </u>					DI	STRIB	TION:	While -	1.0 Acco	нирапу	эаприс	, 1emo	- <u>L</u> aD	u aus j copj	,	



RECEIVED MAY 1 3 1994

Date: April 15,1994

Park Environmental Corporation 4231 Pacific Street, Suite 7 Rocklin, CA 95677

Attn: Mr. Peter Frank

Client Project Number:

5008-J9

Client Project Name:

N/A

Date Sampled:

Apr-13-94

Date Samples Received:

Apr-15-94

Sierra Project Number:

SP-1072-94

Sierra Client Number:

10000-92

Enclosed with this letter is the report on the chemo-physical analysis of samples from the project references shown above.

The samples were received by Sierra intact, and with the chain of custody record attached.

Note that N.D. means not detected at the appropriate reporting limit. The reporting limit is adjusted to reflect the dilution factor of the sample. The reporting limit is expressed in such cases in parentheses to the right of reported value. The detection limit for values without such a designation appears to the right of or at the bottom of the same page.

Reviewed

Approved

The contents of this report pertain only to the samples investigated and do not necessarily apply to other apparently identical or similar materials.

This report is submitted for the exclusive use of the client to whom it is addressed. Unauthorized reproduction of this report or use of this

laboratory's name for advertising or publicity purposes is strictly prohibited.

Sample Preparation: Sample Analysis:	EPA Method 5030 8015-Modified (Ti and EPA 8020 (BT	PH as Gasoline-CADHS I	LUFT)	Report Date:	.04/15/94
C I. D	ED 4 34 AL - 4 5020	N/A		Analyst:	DM
		Client Project:		Date Analyzed:	.04/15/94
Rocklin, CA 95677		Client Project No.	5008-J9	Date Prepared:	.04/15/94
4231 Pacific Street,	Suite 7	Sierra Project No.	SP-1072-94	Date Received:	.04/15/94
Park Environmenta	d Corporation	Slerra Client No.	10000-92	Date Sampled:	.04/13/94

Sample Type: Vapor

Client Sample I.D.	ТРН		Ben:	zene	Tola	iene	Ethy	lbenzene	Xylenes, Total		
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l ppm (v/v)		μg/l	ppm (v/v)	μg/l	ppm (v/v)	
Influent-2-P	2300	560	74	23	130	34	25	5.8	150	34	
Effluent-2-P	170	42	5.5	1.7	10	2.7	2.2	0.51	13	3.0	

	TPI	ТРН		Benzene		ıene	Ethy	lbenzene	Xylenes, Total			
	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/l	ppm (v/v)	μg/i	ppm (v/v)	μg/l	ppm (v/v)		
Detection Limit:	100	24	1	0.31	1	0.27	1	0.23	1	0.23		

Park Environmental Corporation	Sierra Client No.	10000-92	Date Sampled:	.04/13/94
4231 Pacific Street, Suite 7	Sierra Project No.	SP-1072-94	Date Received:	.04/15/94
Rocklin, CA 95677	Client Project No.	5006-J2	Date Prepared:	.04/15/94
•	Client Project:		Date Analyzed:	.04/15/94
	N/A		Analyst:	DM
		-	Report Date:	.04/15/94

Sample Duplicate Report

Client Sample I.D.

INF-VES (SP-1069-94)

Parameter Analysis Type

Relative Percent

<u>Difference</u>

Relative Percent

TPH as Gasoline

EPA 8015-M

2

CompoundAnalysis TypeDifferenceBenzeneEPA 8020 (BTEX)0TolueneEPA 8020 (BTEX)5EthylbenzeneEPA 8020 (BTEX)10Xylenes (Total)EPA 8020 (BTEX)9

Quality Control Reference Number:

G001-041594-G1B00035-167-168

Park Environmental Corporation Sierra Client No. 10000-92 Date Sampled: .04/13/94 4231 Pacific Street, Suite 7 Sierra Project No. SP-1072-94 Date Received: .04/15/94 Rocklin, CA 95677 Client Project No. 5006-J2 Date Prepared: .04/15/94 Client Project: Date Analyzed: .04/15/94 Analyst: N/A DM Report Date: .04/15/94

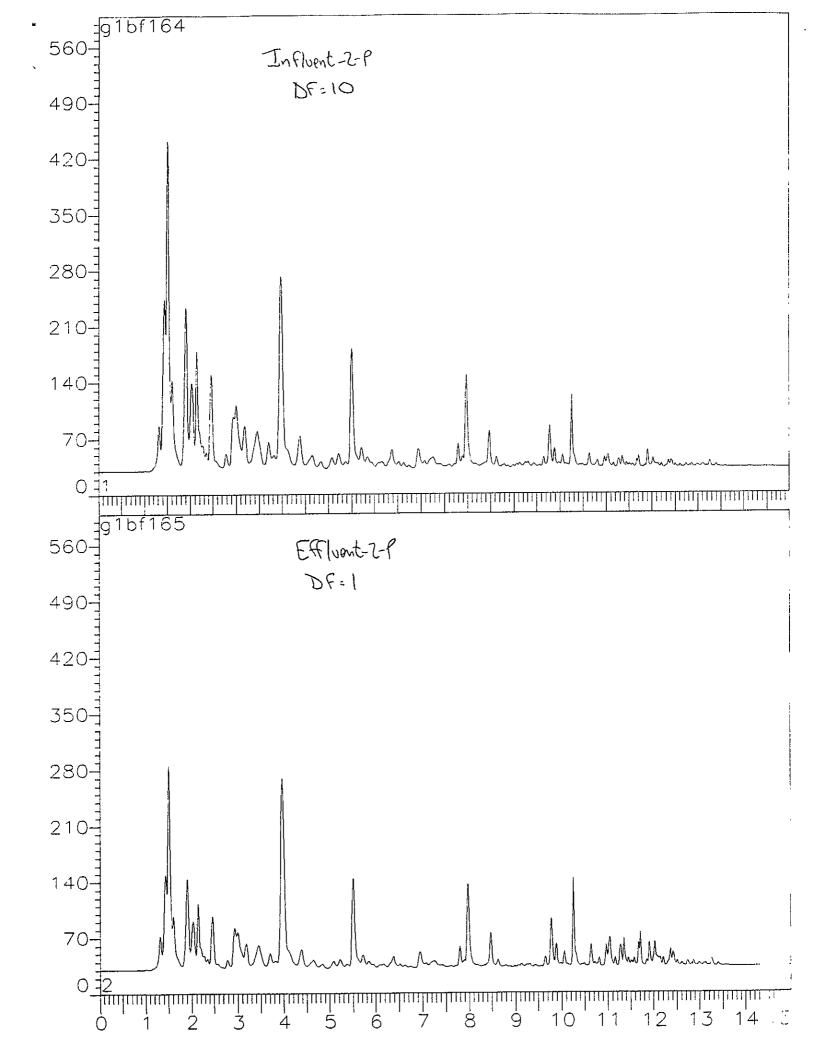
Surrogate Summary Report

Client Sample L.D.	Analysis Type	Per-cer S1	t Recovery (Range)
Influent-2-P	8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series 8015-Modified (TPH as Gasoline-CADHS LUFT)/EPA 8020 (BTEX) in series	101	(50-130)
Effluent-2-P		98	(50-130)

Park Environmental Corporation Sierra Client No. 10000-92 Date Sampled: .04/13/94 4231 Pacific Street, Suite 7 Sierra Project No. SP-1072-94 Date Received: .04/15/94 Date Prepared: .04/15/94 Rocklin, CA 95677 Client Project No. 5006-J2 Client Project: Date Analyzed: .04/15/94 N/A Analyst: DM Report Date: .04/15/94

Laboratory Control Sample Report

Parameter	Analysis Type	Per-cent Recovery					
		<u>%</u>	Range				
TPH as Gasoline	EPA 8015-M	94	(50-150)				
	Ouality Control Reference Number: G001-041:						
	Quality Control Reference Number:	G001-041594-G1B00035-160					
Compound	Analysis Type	Per-cent R	<u>ecovery</u>				
Compound	Analysis Type	Per-cent R	ecovery Range				
Compound Benzene	Analysis Type EPA 8020 (BTEX)						
		<u>%</u>	Range				
Benzene	EPA 8020 (BTEX)	<u>%</u> 103	Range (28-167)				
Benzene Toluene	EPA 8020 (BTEX) EPA 8020 (BTEX)	% 103 104	Range (28-167) (41-138)				



SIERRA LABORATORIES

CHAIN OF CUSTODY RECORD

Nº 1000810

A

TEL: 714 • 758 • 9988 FAX: 714 • 758 • 9692

1525 Endeavour Place • Suite D • Anaheim, CA • 92801

Date: 4/13/94 Page 1 or 1

Client: Park Environmental Client Address: 4231 Pacific Street, Suite7				Client Proj. Numl	ber/Proj. Name	:												
Client Address: 423	acific Str Ca 9:	eet. Su 3677	He7	5008	3-19		LUFT J.m. Senet LUFT,	E,			Scamods)		941					
				Turn Around Time Requested:		1	Cy BITEX	ADHS LL	BTEX)	_	cs & Heli		P) (Curch					
Client Tel. No.: 916 - 65	2-3861			Rush 24-48 hours Rush 72-96 hours			Ossolur Se Volstik Ossoluv	Dresel O	emiliacs E	ogenateds	c Aromai		1 EV 7	£				3
Client Fax No.: 916 - 65 Client Proj. Mgr.: Peter Fr	52-4195 Onk				Normal Mobile		8015-Moduled (TPH as Ossolure CADIIS LUFT) and EPA 1020 (Atomatic Volsuber - BTEX) in Servi. 8015-Modules (TPH as Ossolure CADMS LUFT).	#015-Meduses (TPH as Desel CADHS LUFT)	EPA 8021/ (Volume Aromates	EPA 8030 (Volstile Halogeniteds)	EPA 8010/2020 (Volume Aromacca & Hulogena	TRPHJ	EPA onto or EPA 7421 (Curcle	Lead (CADHS LUFT)			1	
					Container	No. of	13-Moduli d EPA 103 15-Moduli	15-Module	V \$02¢ €	V 8636 V	A 8010/80	EPA 418 1 (TRPH)	3	Organia Lead				
Client Sample No.	A/13/44	Time	Matrix Vapor	Preservatives None	Tedlar	Containers		- -	120	A.	ia i	ā	2 (8	+	+	1	Comments
Influent-1-P Effluent-2-P	4/13/44		Vapor	None	Tedlar	i	1	+		-						\dashv	-	
	7177		***		100,100													
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Sampler Signature: Howard L	old		Shipped Via.	irburne Express				$\overline{}$		Total Number of Containers							Sample Disposal:	
company: Park Environ	menta		(Carrier/Waybill N	» 111758 ¹				<u>2</u>		Si	ubmi	ned i	io La	borat	ory			Return to Chent
Relinquished By: Howard Ho	ed	Date: 4/14/94	Received By:	Alex	Date.	4/5/94	The deliv	ation to p	perform t	he analy	rses spec	ified abo	ove unde	er SIERI	R 4's Te	rms and	4	Lab Disposal
Company: Part Environme	ental	2:30 PM Time	Company: & L	snad was	Time:	1000	Condition	rus, undes	s otherwi	se agree	sa upon I	in writin	ng betwe	en Silk	KA and	CLIEV	11.	Archive mos.
3 Relinquished By.		Date.	Received By:		Date:	rr .		_		Т	otal l	Numl	ber o	f Cor	ntaine	ers		Other
Company:		Time:	Company:		Time:			2			eceiv		-			,		
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Company:		Time:	Сотрапу:		Time:		1010	tact					1	 	Kpprop	riate l	Préser	vativės
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